

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



** Landreth*

1947 GARDEN GUIDE

Our 163rd Year Growing Quality Seeds

* REG. U. S. PAT. OFFICE

D. Landreth Seed Co. **PHILADELPHIA, PENNA.**

The Oldest Seed House in America

A Guide in Planting

Containing a monthly calendar of operations and some useful tables, arranged to help the gardener or farmer in the sowing of seeds or setting out of plants from February to September in the latitude of Philadelphia.

FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
Sow In' Hotbed	Sow In Hotbed	Sow In Hotbed	In Open Ground	In Open Ground	In Open Ground	In Open Ground	In Open Ground
Broccoli	Early Beets	Cucumber	Artichoke	Beans, Lima and all other sorts	Beans	Beans, Bush	Cabbage for cold frames
Early Cabbage	Brussels Sprouts	Eggplant	Asparagus	Beets	Beets	Corn Salad	Cauliflower for cold frames
Forcing Carrot	Early Cabbage	Melon	Beans, Bush and Pole	Broccoli	Carrot	Cucumber	Corn Salad
Early Celery	Forcing Carrot	Pepper	Beets	Brussels Sprouts	Sweet Corn	Endive	Cress
Cucumber	Cauliflower	Tomato	Brussels Sprouts	Late Cabbage	Corn Salad	Kale	Siberian Kale
Eggplant	Celery	In Open Ground	Carrot	Carrot	Cucumber	Early Peas	Lettuce
Early Lettuce	Eggplant	Asparagus	Cauliflower	Cauliflower	Endive	Radish	Mustard
Parsley	Kohl Rabi	Beans	Celery	Sweet Corn	Kale	Spinach	Winter Radish
Pepper	Lettuce	Beets	Cucumber	Cucumber	Kohl Rabi	Turnip	Spinach
Radish	Parsley	Brussels Sprouts	Kohl Rabi	Endive	Lettuce	Rutabaga	Turnip
Tomato	Pepper	Early Cabbage	Leek	Lettuce	Okra		
	Radish	Carrot	Lettuce	Melon	Early Peas		
	Tomato	Cauliflower	Onion	Okra	Pumpkin		
	In Open Ground	Celery	Parsley	Pumpkin	Radish		
	Beets	Cress	Parsnip	Radish	Squash		
	Carrot	Kohl Rabi	Peas	Salsify	Turnip		
	Leek	Lettuce	Radish	Spinach			
	Onion	Onion	Salsify	Squash			
	Peas	Parsley	Spinach	Herbs			
	Radish	Parsnip	Early Turnip				
	Spinach	Peas					
	Early Turnip	Radish					
		Spinach					
		Early Turnip					

What Maturity Figures Mean

Figures indicating the days to maturity follow after the names of the individual varieties. These represent the *average* time required from planting of the seed to harvesting the crop. Weather conditions, soil and localities alter the exact number of days required.

INDEX VEGETABLES

Anise	21	Dandelion	18-21	Peas	28-29
Asparagus	6	Dill	21	Peppers	30-31
Basil (Sweet)	21	Eggplant	20	Pie Plant	33
Beans	8-9-10-11-12	Endive	20	Popcorn	17
Beets	6-7-8-36	Fennel	21	Potatoes	32
Borage	21	Gumbo	26	Pumpkins	32-33
Borecole	21	Herbs	20-21	Radishes	33-34
Broccoli	8	Kale	21	Rape	33
Brussels Sprouts	8	Kohlrabi	21	Rhubarb	33
Cabbage	12-13	Leek	22	Romaine	23
Cantaloupe	24-25	Lettuce	22-23	Sage	21
Carrots	13-14	Melons	24-25-26	Salsify	34
Cauliflower	14	Mustard	23-24	Sorrel	21-34
Celeriac	15	Muskmelons	24-25	Spinach	34-35
Celery	15	Nasturtium	21	Squash	35-36
Chicory	14	Okra	26	Succory	14
Colewort	33	Onions	26-27	Sunflower	36
Collards	14	Onion Sets	27	Swiss Chard	36
Coriander	21	Oyster Plant	34	Tomatoes	37-38-39-40
Corn	15-16-17-18	Parsley	27	Turnips	40-41
Cucumbers	18-19	Parsnips	27	Watermelons	25-26

GRASS, FARM SEEDS AND SUNDRIES

Chemical Stimulants	41	Grafting Wax	41	Lawn Grass & Individual Grasses	3-4-5
Clover and Field Seeds	5	Hotcaps	41	Pest Controls	42
Fertilizers	41	Insecticides & Blight Controls	42	Soil Testing Kits	41

FLOWERS

Ageratum	45	Didiscus	46	Mignonette	50
Alyssum	45	Digitalls	49	Moonflower	50
Asters	45	Eschscholtzia (California Poppy)	48	Morning Glory	50
Antirrhinum	52	Euphorbia	48	Mourning Bride	52
Baby's Breath	46	Fire Bush	49	Nasturtiums	50-51
Bachelor's Button	47	Flax	49	Nicotiana	51
Balloon Vine	46	Forget-Me-Not	48	Painted Tongue	52
Balsam	46	Four O'Clocks	49	Pansies	51
Blanket-Flower	49	Foxglove	49	Petunias	51
Blue Lace Flower	46	Gaillardia	49	Pinks	48
Calendula	46	Gilliflower	52	Poppies	51
Callopsis	46	Globe Amaranth	49	Portulaca	51
Campanula	47	Gomphrena	49	Ricinus	47
Candytuft	47	Gourds	49	Salpiglossis	52
Canterbury Bells	47	Gypsophila	46	Salvia	52
Castor Bean	47	Helianthus	52	Scabiosa	52
Celosia	47	Helichrysium	52	Shasta Daisy	48
Centaurea	47	Hollyhock	49	Snapdragon	52
Cheiranthus	53	Iberis	47	Snow-on-the-Mountain	48
Chrysanthemums	48	Ipomoea	50	Stocks	52
Cockscomb	47	Kochia	49	Strawflowers	52
Cosmos	48	Lady Slipper	46	Sunflowers	52
Cynoglossum	48	Larkspur	49	Sweet Peas	52-53
Dahlia	48	Linum	49	Verbena	53
Daisy-Shasta	48	Marigold	50	Wallflower	53
Delphinium (Larkspur)	48	Marvel of Peru	49	Zinnias	53
Dianthus	48				

BULBS AND ROOTS

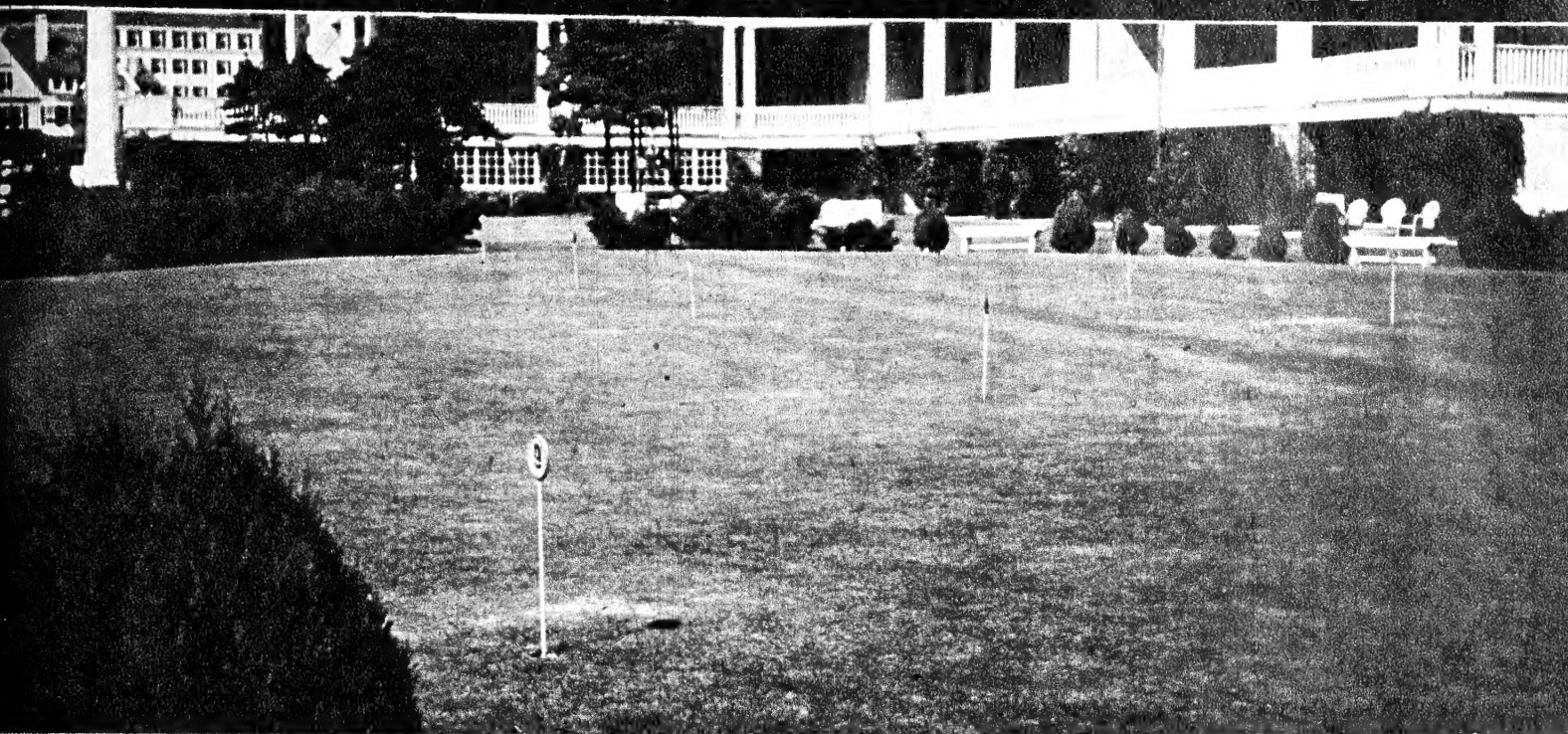
Begonias	43	Cinnamon Vine	43	Gloxinia	44
Caladiums (Elephant Ear)	43	Dahlias	43-44	Mexican Vine	44
Cannas	43	Gladiolus	44	Tuberoses	44

D. LANDRETH SEED COMPANY, P. O. BOX 806, PHILADELPHIA 5, PA.

BLOOMSDALE FARM: BRISTOL, PA.

SEEDLING STATIONS: KIMBERLY, IDAHO & SALINAS AND LOMPOC, CALIFORNIA

MAKING A GOOD LAWN



"How can I get a smooth, velvety-green lawn?" There is no simple answer. Even the beginner can be fairly sure of good results if he will follow carefully the three steps that are required to make a good lawn.

1. **Preparation of the soil**—The area should be plowed or dug to a depth of 8" to 12". If the soil is very sandy, or poor put at least four inches of good topsoil over the surface after the rough grading of the lawn has been done.
Most soils will be improved by the addition of raw ground limestone or hydrated lime. Before applying lime, the soil should be tested for acidity and the recommended amount of lime be incorporated into the soil.
2. **Fertilizing**—Grass, no matter how good the seed, will not grow unless provided with suitable food for the grass roots to feed on. An application of 3 to 5 pounds per 100 square feet of any good complete fertilizer, such as the 4-12-4 or 5-10-5 analysis will provide this.
Rake the area, removing small stones, etc., making the area as even and smooth as possible.
3. **Sowing the seed** — Cheap seed is false economy. It often spells discouraging failures and unnecessary expense. They are usually composed of annual grasses which are hard to cut and contain large quantities of impurities such as chaff and weed seed. Play safe and get the best — Get Landreth's Famous Lawn Grass Mixtures.
Sow the seed evenly, allowing 1 pound to 200 square feet. In selecting the mixture, select one that is best suited for your soil or shade condition. Landreth's have a mixture for most every lawn situation. Grass Lawns sown, in northern localities, from March until May, and from the 15th of August until the first killing frost, have the best chances of success.



**LANDRETH GRASS SEED IS
PACKED IN ½ AND 1 LB. BOXES
2, 5, 10, 25 AND 50 LB. BAGS.
Sealed for your protection.**



The famous Philadelphia Cricket Club (Chestnut Hill, Pa.) tennis courts. Home of the Girls National Championship Tournament. Landreth Seed used exclusively for years.

Landreth's Lawn Grass Mixtures

Superior Bent Mixture—Containing the famous Creeping Bent Seed, this lawn mixture is recommended where something outstanding is desired. Only grasses which grow year after year are used and Clover may be inserted, or not, according to the customer's desire.

Fairmount Park—A well-known formula of tested durability producing a heavy, thick turf and a good sod throughout the growing season.

Evergreen—This is a quicker growing mixture, free of noxious Weed Seeds and low in Inert Matter. You will be pleased with its results.

New York Park—Sold by Landreth for many years. Entirely satisfactory for a lower price seed.

Popular—Very quick growing—satisfactory for the price. Composed mostly of Annual Grasses but free from weeds.

Fast Grow—Used extensively by contractors who desire an immediate effect. The majority of grasses used are temporary. Contains no clover.

Special Purpose Formulas

Shady Place—If possible, plant this mixture very early in the Spring or late in the Autumn for best results. Special shade grasses are used and are necessary for success in shaded areas.

Special Shady—This formula contains some shade grasses but not in the proportions that our regular Shady Place formula contains. Special Shady is a cheaper mixture.

Terrace or Embankment—Grasses with deep roots which are particularly drought resistant are necessary for the successful growing of grass on hillsides. If possible, protect with cloth after planting to prevent washing from rains until grass is established.

Cemetery Mixture—A specially designed blend of grasses containing a large proportion of Fescue which has proven successful in the sun and shade and withstands drought.

Ladino Pasture Mixture—Contains seeds producing permanent, dense and deep-rooted turf and Ladino clover of inviting, sweet and nourishing quality.

FOR AN OUTSTANDING LAWN, PLANT—

Landreth's Never Die Lawn Seed

(Reg. U. S. Patent Office)

ONE OF THE MOST FAMOUS MIXTURES ON THE MARKET

LANDRETH NEVER DIE LAWN SEED is composed of grasses which come to life each Spring and produce luxuriant turf year after year if occasionally fed with bone meal or some other complete fertilizer. It is a carefully blended mixture of perennial grasses which acquire a rich emerald green early in the season, retaining this color until late Fall.

NEVER DIE LAWN SEED is sold in ½ and 1 pound cartons and in 1, 2, 5, 10, 25, 50 and 100 pound bags. Cartons and bags are sealed for your protection so that you may be sure of getting the genuine Landreth officially tested grasses. For further details see inside back cover of this catalog.

Landreth's Athletic Seed Mixtures

Tennis and Golf

Landreth's Ruffwear—This mixture contains a number of grasses properly blended to withstand the dry spells of July and August and the rainy season of Spring. It is used on all parts of the tennis court and golf course fairway, proving the sportsman's delight as it remains green the entire playing season and is designed for rough wear. Formula does not contain Clover.

Easy Eagle—The putting green supreme is formed after seeding with this Mixture. It contains the finest bent grasses and is smooth, lasting and continually green.

Baseball, Football, Soccer and Field Hockey

Landreth's Athletic Field—A mixture to withstand hard, steady wear from cleats and spikes. Grasses contained are hardy and durable.

Individual Grasses

Bent, Colonial—Astoria, Rhode Island, New Zealand and Prince Edward Island Bents (*Agrostis tenuis*)—Our stock is Blue tag certified by the Oregon Department of Agriculture. This is one of the most popular bents used today. Good turf may be produced in one season. It is adapted to both moist and dry soils, clay and sandy soils if well drained, resistant to cold and fairly tolerant of heat and acid soils. It is upright in growth and cannot be classified as a true creeper in the East. Used for golf greens, fairways and lawns. 32 lbs. per bu. 5 lbs. per 1,000 sq. ft.

Bent, Seaside (*Agrostis palustris* or *maritima*)—The seed we offer is Blue Tag Certified by the Oregon Agricultural Department and is grown in Coos County. It is a true creeping bent. This bent is particularly recommended as one of the most satisfactory for golf putting greens. 32 lbs. per bu. 4 lbs. per 1,000 sq. ft.

BERMUDA (*Cynodon dactylon*) 35 pounds per bushel — A very rapid perennial creeper used in the South, not very hardy in the North. Recent supplies have all gone to the government for airports, etc. Now available in limited quantities.

Blue Grass, Canadian (*Poa compressa*)—14 lbs. per bu. For general use inferior to Kentucky Blue. Superior in dry, shady or impoverished soils. Good pasture grass. Perennial.

Blue Grass, Kentucky (*Poa pratensis*)—14 lbs. per bu. 98% pure. Used a great deal for lawns. Produces a good nutritious pasturage. Deep rooting and attractive color. Perennial.

Fescue, Chewing's (*Festuca rubra chewings*)—New Zealand Grown. 24 lbs. per bu. This grass succeeds in all kinds of soils. We now import it in refrigerator boats assuring high germination. Excellent shade grass particularly in light soils. Perennial.

Fescue, Meadow or English Blue (*Festuca elatior pratensis*)—24 lbs. per bu. Known as Evergreen Grass. Used for pastures and lawns. Perennial.

Fescue, Genuine Creeping Red (*Festuca rubra*)—15 lbs per bu. Do not confuse this with the ordinary Red Fescue. It is the true creeping type with dark green, narrow blades. Forms a dense, velvety turf free from weeds and is adapted to shade and reasonably poor soil.

Orchard Grass (*Dactylis glomerata*)—14 lbs. per bu. A very valuable pasturage and hay grass. Perennial.

Red Top, Fancy Recleaned (*Agrostis alba*)—32 lbs. per bu. 98% pure. Sometimes called Herds Grass. Grows best in rich, moist soils. Excellent for lawn, hay or permanent pasture. Biennial.

Red Top, Ordinary or Unhulled (*Agrostis alba*)—30 lbs. per acre. 14 lbs. per bu. See Fancy Red Top.

Rough Stalked Meadow—(*Poa Trivialis*)—14 lbs. per bu. After being unavailable during the War, we are once more able to import this fine shade grass from Denmark. This grass is well-known as the "blue grass of the shade," it is so finely adapted for that purpose. It is also excellent for damp areas. We do not, however, recommend it to be used in areas where the sun is very strong.

Rye Grass, Domestic (*Lolium multiflorum*)—24 lbs. per bu. 99% pure. For most purposes inferior to other rye grasses. Used for hay, pasture and temporary lawns. Annual.

Rye Grass, Italian (*Lolium italicum*)—24 lbs. per bu. (grown in America). Good for a quick hay crop. annual.

Rye Grass, Perennial (*Lolium perenne*)—Often called English Rye Grass. 24 lbs. per bu. Succeeds as a pasturage, hay crop or lawn grass on almost any soil. Perennial.

Timothy (*Phleum pratense*)—45 lbs. per bu. Used with Red Top for pastures but is not recommended for growing alone. Perennial.

Clovers and Field Seeds

WHITE DUTCH CLOVER (*Trifolium repens*)—60 lbs. per bu. Used extensively for lawns. We recommend in using this as pasturage to include some perennial grass. Supply limited due to European war. Perennial.

Alfalfa (*Medicago sativa*)—20 lbs. per acre. 60 lbs. per bu. Northern grown. Perennial.

Alsike (*Trifolium hybridum*)—8 lbs. per acre. 60 lbs. per bu. Perennial.

Ladino (*Trifolium repens*)—Grows 10 to 14 inches high. Moisture and good fertility necessary. Used more as a temporary than a permanent pasture.

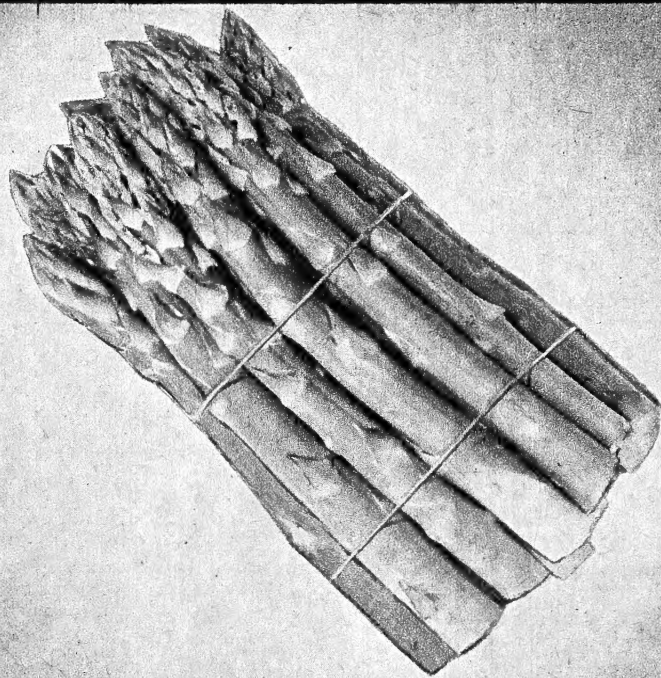
Red (*Trifolium pratense*)—12 lbs. per acre. 60 lbs. per bu. Medium U. S. Verified Strain. Perennial.

Sweet Clover, White Blossom (*Melilotus alba*)—18 lbs. per acre. 60 lbs. per bu. Re-seeds readily.

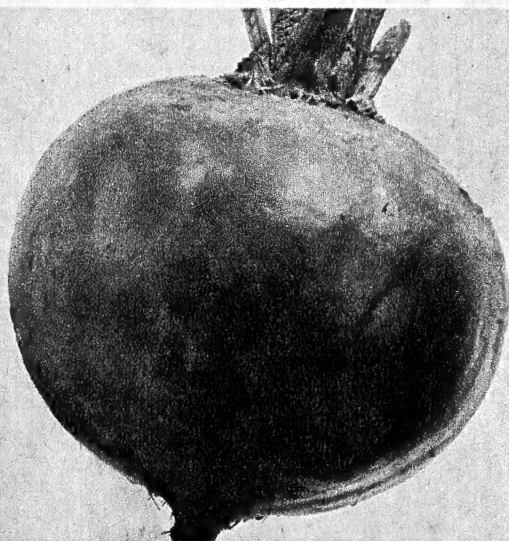
BE SURE TO ASK FOR PARTICULARS ON THE FOLLOWING:

Brome Grass	Winter Barley
Buckwheat	Mixed Canary Bird Seed
Spring Rye	Spring Vetch
Winter Rye, Rosen type	Winter Vetch
Sudan Grass	Golden Millet
Crimson Clover	Hungarian Millet
Oats	Soy Beans—
Japanese Millet	Black Wilson
Pearl or Cattail Millet	Spring Wheat
Spring Barley	
Winter Wheat—Penna Certified Thorne	

VEGETABLE SEEDS



Asparagus—Mary Washington



Beets—Landreth's Best

Especially Recommended Varieties

For the benefit of new gardeners, all varieties of vegetables noted in heavy type are the best varieties for the average home garden. In some sections others are just as good, but these varieties can generally be planted with confidence.

The vegetable seeds are listed in the front part of the catalogue in alphabetical order. Flower seeds are in the back. A complete price list and handy order blank will be found in the center of this catalogue.

In accordance with the custom of the seed trade, D. Landreth Seed Co. or our agents give no warranty, express or implied, as to the productiveness of any seeds or bulbs sold and will not be in any way responsible for the crop. Liability, in all instances, is limited to the purchase price of the seed.

Landreth's Asparagus *Seed and Roots*

Sow seed in temporary location and let stand for two years. Then transplant roots 18" apart in trench 10" deep covering shoots with 3" of earth. Fill trench gradually. Eight ounces will plant 100 yards of row; or twelve pounds per acre. Seed breaks ground in about 20 days. Set 4000 two-year old roots to the acre.

Mary Washington Seed—(Rustproof and surprisingly superior.) Originated at the Massachusetts Experimental Station, the male plants bearing the name Washington and the two female plants Martha and Mary—these three being the parents of this variety wherever sold. The shoots are long without branching, oval in the cross-section, dark green, tight buds and rather late in maturing. It will resist hot weather without blowing out.

Mary Washington Roots—1 and 2-year-old.

Unusually fine roots being grown at our Bloomsdale Farms. Absolutely disease free and vigorous.

Paradise—A highly rust-resistant, new Asparagus, similar to the Mary Washington, but considered by many to be an earlier and heavier yielder.

Landreth's Beets

One ounce will drill 100' of row; 10 lbs. per acre. Will grow in any fairly good non-acid soil if properly fertilized. A sandy loam is ideal. Soil should be well worked. If smooth roots are wanted fresh manure is not to be desired. Sow about 12 seeds per foot, $\frac{1}{2}$ " deep, in drills 18" apart. Roll earth after planting. Plants should be thinned to 3"-4" apart when 2" high or may be left until they reach 6" when the thinnings may be used for greens. Plant every 10 days for seasonal use. Beets are best when about the size of a silver half-dollar. May be kept for winter use by storing in cellar or pits, covered with dry earth, topped with straw. Plant in the early spring, as soon as the ground is in tillable condition or in the summer for winter use.

Crimson Globe—65 Days. Deep globular in shape with little crown and a clean cut, small tap root. Skin and flesh of a dark color with zones.

Crosby's Egyptian—55 Days. A choice form of Early Egyptian. Shape, however, much more of a globe. Bulbs when cut are raw beef color. Sweet, tender, of excellent quality. A great favorite with market gardeners. Leaves purple mixed with green. Purple midrib.

Detroit Dark Red—55 Days. Of great celebrity, because of its merit. Form oval, flesh dark blood with indistinct zones of lighter color. Skin smooth with small tap roots. A favorite beet with all private and market gardeners. Extensively used by canners because of its good dark red color. The most popular table variety today.

Early Blood Turnip—55 Days. Top-shaped, early in maturity and one of our best sellers. Very desirable in every respect. Skin deep red and very smooth. When cut it is one of the best red Turnip Beets on the market.

Early Wonder—55 Days. This is one of the earliest of the small table beets for outside culture. It has small leaves, is flat to globe in shape. Bright red skin. Vermillion red flesh with distinct zones of a lighter red. It is of excellent quality, being sweet, tender and free from fibrous roots. It is a Select Improved Crosby.

Early Wonder Green Top—55 Days. Same as the above except top is green.

Eclipse, Extra Early—55 Days. Bulbs globed, early as name indicates, small tops. Roots smooth, round, inclined to be top shaped. Leaves light green, broad, with wide orange midrib. An excellent beet for the family garden.

Extra Early Egyptian—48 Days. The roots of this Beet develop quicker than any other Table Beet. Bulbs half globular or flat. Roots smooth, dark red. Small tops. Flesh of a purplish red.

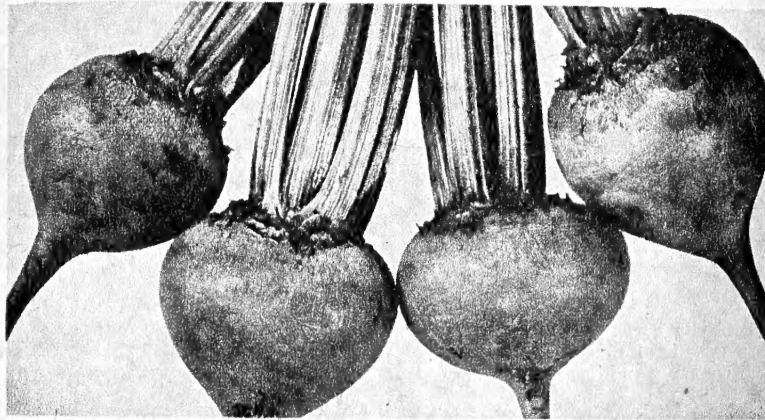
Green Top Bunching—60 Days. Early and attractive foliage. Keeps color well into Fall. Roots almost round. Interior color bright, blood red.

LANDRETHS BEST—50 DAYS. About 5 days earlier than Detroit, more ball-shaped, altogether a superior sort. Slimmer tap roots, more mouse-tailed. Roots vary from deep globe to round. Flesh deep red, with indistinct zoning, of excellent sugary quality. Skin smooth, free from fibers. Tops small. All gardeners will find this beet of fully double the usual value if they are pulled and served on the table when so small as to be no larger than a silver half dollar. Landreths' Best is very choice for early use, having an intensely red color, delicate texture.

LENTZ EARLY (Very Sweet)—50 Days. An extra early, light colored, turnip shaped beet, originating in Philadelphia. Flesh is light red, zoned with white. The top is light green, small, making it suitable for growing under sash. It is rich in sugar and remains tender longer than any other variety. Our stock is pure and will give excellent satisfaction.

Lutz Green Leaf—(Winter Keeper, New Century)—65 Days. A long season Beet, remaining solid and tender until late Fall and one of the best for a good Winter supply. Roots nearly globular. Flesh dark red without lighter zones.

Perfected Detroit—58 Days. Somewhat more vigorous and larger than Detroit Dark Red. Tops medium to tall. Roots almost globular, 2 1/4-3" in diameter. Widely grown for marketing and canning, but equally valuable for home gardens. Dark red flesh.



Beets—Crosby's Egyptian



Beets—Lentz Extra Early

Sugar Beet

Cultural directions are the same as Mangel Wurzel.

Klein Wanzleben—90 Days. Beet sugar manufacturers have united in recommending this as possessing the highest sugar producing qualities.

Leaf or Spinach Beet—See under Swiss Chard, Page 44.

Mangel Wurzel Cattle Beet

Plant cattle beets 6 lbs. per acre in drills 1 oz. per 100 ft. Thin later to 9" apart. Rows should be 24"-36" apart. Broadcast 15-20 lbs. per acre.

Golden Tankard—100 Days. A rapidly maturing root adapted to shallow lands, although doing well on every soil. The root has broad shoulders partly above ground, rich golden skin, solid sugary flesh. The flesh is yellow zoned with white.



Mangel Beet—Mammoth Long Red

Cattle Beet

Mammoth Long Red—110 Days. Everywhere the most popular variety for cattle feeding. Roots grow half above ground, large, long, well formed, usually straight, flesh-white tinged with rose. We cannot recommend this beet too highly.

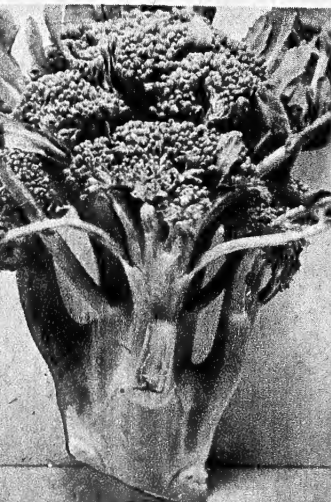
Sludstrup—105 Days. Long, oval, orange skin, white flesh with yellow zones. Roots grow half above ground. Easily harvested.

Landreth's Broccoli

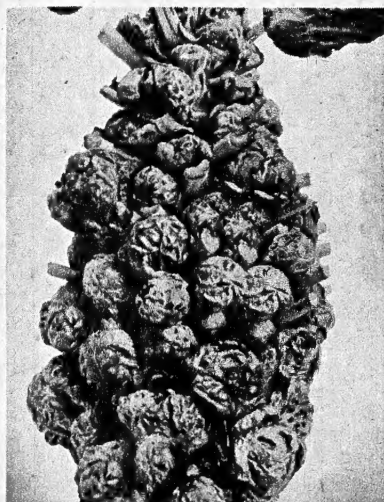
One ounce of seed will sow 100 yards of row, producing 3000 plants. 4 ozs. per acre. Seed breaks ground in about 4 days. A plant much resembling Cauliflower and cultivated in the same manner.

Calabrese (Italian Green Sprouting)—65 Days. Heads 2½ to 4 inches in diameter. Plants 15-20 inches tall, erect, bushy plant, blue green foliage, tender and fine flavor.

Raab. Used for early market greens, making heavy top growth early in spring. Leaves are broad, strap leaf turnip type—18-24" tall.



Broccoli—Calabrese



Brussels Sprouts

Landreth's Brussels Sprouts

One ounce for 3000 plants or 100 yards of row, 4 oz. per acre. Miniature cabbages are clustered around the stalk of the plant. One of the most popular winter vegetables. Resembles cabbage in taste but more delicate and delicious. Requires same method of culture as cabbage.

Long Island Improved—90 Days. A leading variety of one of the most popular Winter vegetables. Choice tall stalks, 50 to 100 large buds, 1 to 2 inches in diameter. The development of the buds can be hastened and enlarged by cutting away ten or more leaves from the stalk when three-quarters grown.

Landreth's Bush Beans

IDAHO CERTIFIED BEAN SEED—For those who desire Western grown, disease resistant bean

seed, we can offer our own grown Idaho Certified Seed.

Average height of vine 15". Plant as soon as all danger of frost is over, and in the Middle Atlantic States until Mid-August. 1"-2" is about the proper depth. Thin out to 3" apart. The rows for hand cultivation should be 18"-24" apart; 60 to 80 lbs. will plant an acre, 1 lb. for 100 feet. Bush Beans are one of the most desirable and easily cultivated vegetables that can be raised in the family garden.

Green Podded Varieties

Black Valentine Stringless—50 Days. Height of vine 16"-18". Plant medium large, very hardy and prolific. Pods semi-round, good green color. 6"-6½" long, meaty and succulent. Seeds solid black. Adapted for shipping. Retains color and texture for long period. Great favorite with market gardeners.

Bountiful—50 Days. Vines 16" high, bushy and erect. Pods large, flat, light green in color; 6"-6½" long, contains 6 or 7 kidney shaped beans; seeds solid straw color. Absolutely stringless and tender. One of the best for both private and market gardeners. On account of its earliness is greatly desired.

Broad Windsor (Fava)—75 days. Pods about 3½" by 1-1½" flat, straight, stringy, bright medium green with roughened surface, used as shell beans. Bush 18-24" high, erect.

Dwarf Horticultural—56 Days. Height of vine 14". Very prolific. Pods flat and broad, dark green at snap stage, becoming greenish-yellow, splashed with carmine; 5"-5½" long; averages 5 beans to the pod which are plump, oval in shape; color, pinkish buff, spotted and streaked with purplish-red but slightly lighter color than French Horticultural. Desirable for green shell beans and snaps.

French Horticultural—68 Days. Height of vine 22". Vines show semi-running tendency. Pods 6½"-7" long; medium deep green in snap stage, turning to light buff, splashed with carmine and crimson. Averages 6 seeds to pod which are buff splashed with red. Used extensively in New England. Of superior quality for green shell use.

Full Measure—57 Days. Height of vine 14"-16". Foliage yellowish green. Plant large and thrifty. Pods medium green; 6"-6½" long, thick, round, very fleshy, brittle and stringless. Averages 6 beans to a pod. Seeds reddish-brown mottled with buff. Used extensively for market gardens and canning purposes.

Giant Stringless—55 Days. Height of vine 13"-15". Foliage yellowish green. Plant hardy and heavily productive. Pods round, meaty, similar to Stringless, slightly straighter and narrower, but not as early. 6"-6½" long, medium green. Color of seed yellow. An excellent variety for market gardens and shipping.

Keystone Greenpod—55 Days. A bush snapbean of excellent flavor and dependable production. Entirely stringless and fiberless. Round and meaty. Straight pods, slightly longer than Tendergreen. Holds up well in the garden and produces longer than many other varieties.

LANDRETH'S Fairmount—54 Days. Height of vine 16"-17". Hardy, erect, compact bush. Foliage dark green. Pods green—5½"-9" long. A flat pod. Contains 6 to 8 brown seeds. Absolutely stringless. Heavy yielding. Offered exclusively in 1945 by us.

LANDRETH'S STRINGLESS GREEN POD — 54 DAYS. Height of vine 17"-18", bushy and very erect. Foliage is extremely dark green. Pods 6"-8" long, round, slightly curved, meaty, absolutely stringless and free from fiber. Contains 7 or 8 beans to the pod. Seeds are brown and kidney shaped which do not show through the pod. This bean was propagated from a single plant selection on our Trial Grounds and is the best round podded bean ever developed. On account of its productivity and the fact that it is disease resistant it is naturally the bean that is most in demand today by both canners and gardeners.

Landreth's Stringless Red Valentine—54 Days. Height of vine 14"-15". Foliage yellowish green. Pods round and curved, 4½" long. Usually 6 beans to the pod. Seeds purplish-red, splashed with buff. This bean was introduced by us several years ago. Its superior flavor and the fact that it is absolutely stringless makes it one of the most desirable beans in the market.

Low's Champion—55 Days. Height of vine 11"-13". Foliage dark green. Pods 5" long, light green, flat and stringless; 5-6 beans to the pod. Seed blood red with white eye. Used in eastern states. Holds its snap stage for a long period.

Plentiful—52 Days. The vines are upright, very robust and productive. Pods medium green; 6½"-7" long, oval flat pods, tender, free from fiber, fleshy, straight and stringless. Pod usually contains 6 black seeded beans.

Refugee Stringless—70 Days. Vine 15 to 18 inches tall. Pods 5½" long, round, meaty and slightly curved. Each Refugee Stringless pod contains 5 or 6 beans. Absolutely stringless, fully as hardy and productive as the old Late Refugee; seed purple with buff spots and retaining all the good qualities of that sort.

Shipp's Green Pod—50 Days. Color of seed orange brown. A new early bean with semi-round, long, slender pods. Very prolific and of fine flavor. Offered exclusively in 1946 by us.

Streamliner—55 Days. A large bush of upright growth. Pods average 7" in length, straight and semi-flat; fleshy, meaty and absolutely stringless. Seeds clear white, kidney shaped. One of the most productive of the bush types. Continues bearing for a long period. An excellent shipper.

Tendergreen—54 Days. Height of vine 17". Not quite as dark foliage as Stringless. Plant erect and vigorous. Pods 6"-6½" long, round, straight and stringless; containing 5 or 6 beans, which are purple mottled with buff. A general purpose bean for market gardeners and in great demand by canners.

Tennessee Green Pod—52 Days. Height of vine 12"-14". Plant large with extending branches. Dark green foliage. Pods 7"-9" long, flat, broad, almost straight. 7 or 8 seeds in the pod. Seeds yellowish-brown. It is slightly stringy but of exceptionally fine flavor.

Landreth's Shell Beans

Navy or Boston Pea—95 Days. Plant large with tendency to form runners. Pods about 4" long. Containing 5-7 small white beans. This bean is very hardy and prolific. Only used as a dry shell bean for baking.



Bush Beans—Bountiful

Red Kidney—95 Days. Height of vine 20"-22". Pods 6 or 7 inches long, flat, broad and straight containing 5 or 6 beans, which are red and kidney shaped. A commercial variety of fine quality for dry use.

Trout—100 Days. Largely used in the New England States as a shell bean. Dry bean is white with red spots and splotches on it.

Vermont Cranberry—90 Days. Large podded, 6 to 7 inches long, containing 5 very large beans. A good snap bean when young. An excellent shell bean and baking bean. The beans are of the cranberry color with white streaks.

White Kidney—100 Days. Height of vine about 21". Plant large, erect, heavily productive. Pods 6"-6½" long, flat, almost straight. Seeds long, white, kidney shaped. A commercial variety of excellent quality for dry use.

White Marrow or Cranberry—100 Days. Height of vine about 18". Plant large with semi-runners; hardy, productive. Pods 5"-5½" long; flat, straight. Contains 5 or 6 almost round white beans. A superior variety for commercial purposes. Excellent for baking.

Yellow Eye — 100 Days. Seed medium large, oval, white with brownish-orange yellow eyespot. Each 15-20" erect, large leaved, medium green. Pods 5½"-6" thick, flat, stringy, inedible. Used for baking in New England.

Landreth's Bush Beans, Wax Podded

Brittle Wax — See Round Pod Kidney Wax.

Davis Kidney Wax, Stringless—52 Days. Height of vine 15"-18". Very productive and vigorous. Length of pod 6"-7". Pods showy, long, flat, almost straight, absolutely stringless; light yellow in color; 5-6 beans to the pod. Seed white, kidney shaped. Disease resistant.

LANDRETH'S TOP NOTCH GOLDEN WAX — 50 DAYS. Height of vine 12"-14". A very productive and compact plant. Pods 5"-5½" long; flat and clear golden yellow and absolutely stringless. The seed is oval, decidedly white, with small brown eye. It was developed by us on our Trial Grounds at Filer, Idaho, and is a hand cross between Grenell's Improved Rust Proof Golden Wax and Landreth's Stringless. Resistant to disease. Will produce more hampers to the acre. Noted for its great productivity.

Pencil Pod Black Wax—54 Days. Height of vine 16"-18". Plant large, strong and bears abundance of pods over a long period. Pods are round, 6"-7" long, absolutely stringless and very meaty. Seed oblong, slightly flattened, solid black. A leading wax variety for home and market gardens.

Round Pod Kidney Wax—56 Days. Plant medium large, erect and very vigorous. Pods 5"-6" long; round, light yellow in color and stringless. Seed white, with black eye. A Pennsylvania favorite. It is greatly desired by canners and home gardeners.

Sure Crop Wax—54 Days. Height of vine 16"-18". Plant large and dependably productive. Pods 6" long, golden yellow, flat, absolutely stringless, fine grained. Contains 6 or 7 beans. Seeds oval in shape, jet black. Particularly desirable for truckers and shippers.

Unrivalled Wax—51 Days. Plant medium large, thrifty and wilt-resistant. Pods 5" long, rich waxy yellow, flat, fleshy and brittle. Stringless in early stage. Seeds small yellowish brown.

Landreth's Edible Soy Beans

Bansei—89 Days (Culture Similar to Bush Beans).

The most popular of this type of beans. Edible Soy Beans although still a novelty are rapidly gaining in popularity. They are resistant to drought and disease and less affected by insects. They are high in vitamins and low in starch content. Grown and cooked in a manner similar to Bush Lima Beans. Plants are vigorous and slightly taller than ordinary bush beans. Very prolific. Use in green or dry stage.

Landreth's Bush Lima Beans

Average height of vine 1½"-20". 1 lb. will plant 100 feet of row, 60 lbs. to the acre. Plant in rows 2½'-3' apart. Beans should be thinned out to 12" apart. They are two weeks earlier than pole limas and require less effort. Being of a tender nature they should not be planted until the ground is warm. If possible plant with eyes down about 1" deep. Deep rooted plants continue to grow after others stop. Keep the soil well cultivated and pick as soon as they are of edible size.

Burpee's Bush—77 Days. Vine 18"-20" high. Plants are 18"-24" high, vigorous, productive. Develops into a plant about 2' in diameter. Pods 4"-5" long, containing 3 or 4 seeds. Seeds flat having the appearance of a cut both sides of the eye.

Cangreen—68 Days. Resembles Henderson Bush Lima, except color of bean in dry stage is green, making it attractive for canning purposes. Very prolific.

IMPROVED BUSH — 75 DAYS. Vine 16"-18" high. Plant large, erect, vigorous, very productive. The foliage meets in a 3' row under average conditions. Pods 5"-5½" long, curved and moderately thick, containing 4 or 5 very large beans of attractive appearance. Distinct from Fordhook in shape and flavor. Seed flatter than Fordhook and slightly harder.



Soy Beans—Bansei

Wax Beans—Sure Crop

Fordhook Bush—75 Days. Vine 20" in height; bushy, upright with large leaves of heavy texture. Has a spread of 2' or more. Very vigorous with many flowering branches. Pods borne in clusters 4"-4½" long, dark green, straight to slightly curved, containing 3 or 4 large, thick beans of rich flavor and high food value. Seeds are green when immature becoming cream colored in dry stage. The most popular of all bush limas for both market and home gardeners.

Fordhook 242—75 Days. Wherever a crop of regular Fordhook is adversely affected by hot weather, this new Fordhook 242 is to be chosen. It resembles the Fordhook with its large, thick-seeded pods which contain 3 or 4 nutty-flavored beans, but the plants have more foliage than regular Fordhook and will set pods in abundance during the hot, dry summer. The early yield is also superior to the Fordhook.

Henderson's Bush—66 Days. Height of vine about 14". Plant small, dark green, erect, bushy and very early. Leaves small, pointed, metallic green. Pods 3" in length, containing 3 or 4 flat-tish, oval beans of fine quality. Pale green when young. Creamy white in dry stage. One of the most popular varieties for commercial canners. Sometimes called Baby Lima.

Jackson Wonder Bush—67 Days. Plant small to medium, spreading without runners, thrifty and productive. Foliage very glossy, dark green. Drought resistant. Pods flat, about 3" long, containing 3 or 4 savory beans. Seed small, flat, buff mottled with purplish black. General characteristics of Henderson's Bush Lima.

Woods Prolific Bush—70 Days. Larger bush than any other dwarf limas. Upright plants, truly prolific. Pods 4" 4½" long, containing 3 or 4 medium sized beans. Loaded down with pods from early in the season until frost. Generally larger and later but is of the Henderson's Bush Lima Type.



Bush Lima—Fordhook

Kentucky Wonder Pole

Landreth's Pole Beans

(EXCEPT LIMA BEANS)

Pole beans are of a very tender quality and should be planted later than Bush Beans. Poles about 6 ft. high should be set in the ground 3'-4' apart. 5-8 beans is the requirement around each pole, later thinning to 4 strongest vines. Cover the seed 1½" deep. One pound of seed will usually plant 75-100 hills; 30 lbs. to the acre. Pole beans produce over a longer period of time than bush beans. They are generally considered of better quality but require more work and are generally more susceptible to adverse conditions.

Blue Lake—64 Days. Developed from White Creaseback. Widely used for canning and processing. Pods are round, medium green, stringless when young. Seeds small, ivory white.

Golden Cluster Wax—75 Days. Foliage vigorous, large, light yellowish green and crumpled. Pods borne in clusters, green when young and turning yellow. Containing 6 or 7 beans. Seed is flat, dull white. Productive. One of the best pole wax beans. Used for snap, green shelled or dry beans.

Horticultural Pole (London)—70 Days. Hardy, vigorous grower, good climber. Pods 6" long, dark green when young, flat-oval, slightly curved, stringless, very fleshy; splashed with red in later growth. 6 or 7 beans per pod. Seeds large, oval, color buff, splashed with dark red.

Ideal Market (Black Valentine Pole)—60 Days. Plant hardy, fair climber, pods round, slightly curved, tender and meaty, stringless when young. Seed solid black.

Kentucky Wonder Wax—66 Days. Plant good climber, vigorous and productive. Pods 7"-8" long, waxy yellow, flat, meaty, nearly stringless. Seeds flattish oval, dark chocolate brown.

Kentucky Wonder White Seeded—65 Days. Not a good climber, vines medium short. Pods 6" long, round, stringless and tender. Containing 7 or 8 beans, medium oval, pure white.

KENTUCKY WONDER (OLD HOMESTEAD)—65 DAYS. A strong climber, hardy and prolific over a long season. Pods about 8" long, tender, green, curved and indented, borne in clusters, meaty, brittle, with a distinctive flavor. Contains 9 or 10 buff brown beans. The most used round, snap-podded pole bean.

Lazy Wife—74 Days. Good climber, heavily productive. Pods 6" long, borne in clusters, thick, fleshy, straight, stringless, very tender, containing 6 or 7 beans. Seeds plump and white.

McCaslan Pole—65 Days. A prolific, early maturing, green podded variety. Pods 7"-8" long, thick, flat, medium green, meaty and stringless when young. Seeds ivory white and flat. Fine flavor.

Mammoth Podded Horticultural (King)—73 Days. The largest podded and seeded of the horticultural beans. Pods 6½" long. Vine grows 4½ feet. Seed similar to London Horticultural only larger.

Missouri Wonder—66 Days. A good climber, exceptionally vigorous and productive. Pods 6½" long, nearly round, medium green later splashed with red. Seed large, oblong, oval-flat, grey buff mottled with tan.

Red Speckled Oval Seeded Cut Short—73 Days. Plant 5' tall, good climber, bears over long season. Pods for snap beans small dark green, straight and round, 3½" long. Seeds small flat, grey, splashed with crimson.

Scarlet Runner—90 Days. Pods 5½" to 6" long, broad, scarlet blossoms. Used for decorative purposes as well as for snap and green shelled beans.

Striped Creaseback (Nancy Davis)—73 Days. Good climber, heavily productive. Pods 6" long, green, round, slightly curved, dashed with purple as pods mature. Contains 8 or 9 beans. Seeds oval, medium short, buff, with occasional blackish stripes.

Tennessee Wonder (Landreth's Introduction)—69 Days. Plant medium of good climbing habit. Pods 8"-9" long, round light green, tinged with purple. The largest, straightest and most handsome of all cultivated beans. Seed slate grey, marked with long stripes of dark black green. Similar to striped sickle.

White Creaseback—68 Days. Early, vigorous and productive. Pods 5½" long, oval-round, light green, nearly stringless, very fleshy, brittle and tender. Seeds small, oval, ivory white, borne in clusters of 3 to 8 pods each with 8 or 9 beans.

Landreth's Pole Lima Beans

One pound will plant enough for 50 poles, 30 lbs. per acre. They normally mature in from 75-90 days. Usually planted 4' apart each way. Do not plant until ground is warm, then plant 4-6 beans to a pole, eyes down and 2" deep. After a thorough start, thin to 2 or 3 vines to a pole. Cultivate frequently. Can also be trained on a fence in which case allow 1 lb. for 50 feet.

Carolina or Sieva—78 Days. Plant grows as high as 10'. Very small foliage; short pointed leaves, metallic green. Pods medium green, 3"-3½" long, borne in cluster containing 3 or 4 small flat beans. Seeds are smooth and white. Planted extensively in the South where it is known as a Butter Bean.

Challenger Improved (Dreer's or Fordhook Pole)—92 Days. Pods about 4" long containing 3 or 4 beans of good flavor. A very late pole lima with pods and seed similar to Fordhook Bush which was developed from this variety.



Landreth's Large Green Seeded Lima

Florida Butter, Speckled—78 Days. Plant tall, vigorous and prolific over long bearing season. The pods are about 3" long, with 3 small flat beans in each pod, borne in clusters. Color of seed buff spotted with reddish-brown.

Giant Podded — 95 Days. Plant 10 to 14 ft. Vigorous and productive. Pods 6" by 1 1/4" thick, flat, almost straight. Dark green, smooth, seeds are large, flat white with occasional tinge of green.

King of the Garden—88 Days. Plant tall, good climber, hardy and vigorous, heavily productive. Pods usually 6" long, flat, smooth, with about 4 beans in a pod. Seeds large, flat and white. An improved form of Large White Lima. The pole lima most in demand.

LANDRETHS' LARGE GREEN SEEDS — 84 DAYS. The strain is more attractive than King of the Garden Lima. Pods average 5 1/2" in length; containing about 4 beans of unsurpassed flavor. Seeds have a decided green tinge. A bean in great demand by both private and market gardeners on account of its superior quality.

Large Speckled—85 Days. Tall strong plants, large pods five inches long. Four or five large beans in pod—seed large oval creamy white with maroon mottling.

Landreth's Cabbage

One ounce of seed should produce 3000 plants. 5 ounces is sufficient for an acre. For earlier crop start seeding in hotbed in Feb., cover seed 1/4" deep, transplant in April. For late crop start seed in May or June outdoors, in good rich soil and transplant in July. Transplant when 4"—6" high. Deep rooting will resist drought, so in setting out plants, cover to the first leaf stems. It is best to plan for cabbage to mature at various times through the season by planting different kinds or not all at the same time. Rows should be 2'—2 1/2' apart with 18" between plants. The number of Days gives relative period to maturity from setting out plants. Allow a month additional from time seed is started.

All Head Early—78 Days. Very hardy, large, flat, short stem, solid head, early for its size. Few outside leaves, consequently can be planted closer together than most other large Cabbages. A reliable sort, well named. One of the best of the intermediate varieties. It is one of those varieties which can be planted early in the Spring as well as for late Autumn. One of the best Cabbages on the market.

Bloodsdales Large Late Drumhead—100 Days. A larger heavy head, smooth-leaved, late ripening Cabbage. No strain is superior and few equal to this. Head is thick, broad, solid, flat. Leaves extend well over the center leaves of the head and fold down alternately, forming a tight, compact head. We cannot too highly recommend this strain of Large Late Drumhead, but be careful to plant it in a suitable location.

Bloodsdales Large Late Flat Dutch—100 Days.

The original strain of this cabbage was obtained by us from Swedish gardeners who settled in Philadelphia previous to the Revolutionary War. Ever since that time we have been continually reselecting this Cabbage; we now believe it is second to none of this type. It is late, produces large solid, weighty, very uniform heads and is the best cropper.

Charleston or Large Wakefield—73 Days. A large, flattish variation of the pointed early Jersey Wakefield. Heads are half round, later than the Jersey Wakefield by about 10 days and 40 to 50% larger. This variety is also extremely popular with market gardeners, owing to its earliness and its size.

Copenhagen Market—67 Days. The plants are very vigorous, short, stout stems, few outer leaves, producing a very hard, round head, very uniform in size and of long keeping qualities. In maturity slightly larger and later than Golden Acre. Produces a greater tonnage per acre and is very profitable.

Copenhagen Market (Market Garden Strain) — 63 Days. We recommend this for southern planting, it being very early, showy, compact dwarf plant, few outer leaves, very solid round heads, stems short. Earlier and trifle smaller than regular Copenhagen Market, making it much more desirable for early growing.

DANISH ROUND HEAD SHORT STEM — 103 DAYS. This variety is considered by many the most popular ballhead, having a shorter stem, and is a little earlier than the tall stem; much superior. It produces a very solid, good quality medium size round head and is very popular with the market gardeners in Cabbage growing districts of northern latitudes. The best late Cabbage.

Drumhead Savoy—90 Days. The best of its class, is as palatable as a Cauliflower. One of the best short stalk Cabbages one can grow. Large size, deep green, flat heads, curly or crinkled leaves.

EARLY DWARF FLAT DUTCH — 90 DAYS. This variety produces thick leaves, very dark blue in color. Succeeds admirably in Southern States on account of its ability to resist heat.

Early Jersey Wakefield—65 Days. A short stemmed, hardy, early cone-shaped heading variety, broad at the bottom with a pointed peak, the leaves leathery and well folded over the top.

Glory of Enkhuizen—77 Days. A small very hard heading solid sort set in a cluster of long, spreading leaves. Outer leaves medium size. Is a hardy grower, a sure header. Many market gardeners prefer this sort to all others on account of its excellent quality and its sure cropping habit.



Cabbage—Charleston or Large Wakefield



Cabbage—Golden Acre

Golden Acre—63 Days. Here we have an acquisition, for seed of this variety planted at the same time will mature earlier than Early Jersey Wakefield, besides being larger and much more showy. Plant dwarf, compact. Few outer leaves. Heads very solid; earlier but smaller than Copenhagen. It is round in shape, short stem and almost rests on the ground.

Golden Acre YELLOWS RESISTANT—66 Days. A yellows resistant type of Golden Acre. Specify Resistant Stock if wanted.

Green Acre — 65 Days. Similar to Golden Acre except Green Acre holds its green color longer, making it valuable for market growers and shippers.

Marion Market (WISCONSIN YELLOWS RESISTANT)—78 Days. A yellows-resistant strain of Copenhagen Market. Plants large, coarse, not so uniform or early by ten days as the original Copenhagen. Have solid, crisp, tender, round heads. Will produce a crop when non-resistant strains fail.

Penn State Ball Head—105 Days. "All-America" Silver Medal 1934. A late variety developed by Prof. C. E. Myers, of Pennsylvania State College. Productive, late, uniform, attractive, hard heads, 6 to 7 inches deep, an excellent, large yielding Winter variety, resembling Danish Ball Head but heads slightly more flattened.

Premium Late Flat Dutch—100 Days. A heavy, hard, smooth leaved, late ripening Cabbage. The head is thick, broad, solid, and slightly rounded on the top, though this variety is what is termed a flat head, as it tends toward flatness. The leaves extend well over the center line of the head and fold down alternately, forming a tight, compact head.

Red Dutch (Red Rock)—100 Days. Leaves red or purple. Head medium size, round, solid, deep red color. Medium length stems, generally used for pickling.

Stein's Early Flat Dutch—90 Days. Used as an early Cabbage in Texas and the South for the northern market in the Spring. This variety produces early, large, flat, solid heads. A very vigorous plant with a short stem. We offer an unusually excellent strain. Very popular.

Succession—88 Days. An intermediate between Early Flat Dutch and Late Flat Dutch. Slightly later than the second early sorts. Plants are vigorous with short stems; heads large, deep, an excellent quality.

Wisconsin All Seasons (YELLOWS RESISTANT)—94 Days. A yellows-resistant strain of All Seasons. Valuable in sections which are infested with cabbage yellows or wilt. Coarser plants than original All Seasons. Good Winter keeper producing large, flat, deep, hard heads.

Wisconsin Hollander No. 8 (YELLOWS RESISTANT)—105 Days. A late, yellows-resistant Danish Ball Head, developed by Prof. L. R. Jones, producing larger plants than the famous Danish Ball Head. Heads are inclined to flatten slightly as they mature.



Chinese Cabbage—Petsai

Chinese or Celery Cabbage

There are numerous varieties of this cabbage on the market but we believe these are the best of them all. They resemble Cos Lettuce more than any cabbage.

Chihili—75 Days. This is superior to the other Chinese Cabbage. Heads 18 to 20 inches tall and 3½ to 4 inches thick, firm, well blanching, crisp, tender, sweet.

Petsai—75 Days. The leaves are very much crumpled, light green, somewhat resembling smooth Mustard, but with broad ribs. When tied or bunched with raffia, the inner leaves bleach to a creamy white. It is distinct from any American or European cabbage.

Wong Bok—85 Days. A desirable, short, broad, tightly folded head, shorter, thicker than Petsai, which is 8 to 10 inches tall. Bleaches very well.

Landreth's Carrots

Demand a light deep soil; best fertilized the previous season, otherwise enrich with old manure. A succession of plantings ½" deep, in rows 15" apart for hand cultivation. One ounce of seed plants 200' of row; 3 lbs. per acre. Thin plants to 2" or 3" apart in row. For early crop sow as soon as ground can be tilled. Carrot seed is slow to germinate.

Chantenay Half-Long Scarlet or Model—70 Days. Roots about 5 to 6 inches in length, 2 to 2½ inches thick at the crown, smooth and tapering. Small top set in a slight depression. Color deep orange red. A fine medium early, half long, stump rooted. One of the best for Market Gardens or Private use.

Chantenay Long Type—70 Days. Shorter top, longer roots but fully as large as older type Chantenay. A very desirable type for home and market gardens.

Chantenay Red Cored or Coreless Half-Long—70 Days. An improvement on the Chantenay. It is the most desirable variety, its core being indistinct. Roots 5 to 6 inches long, 2½ inches in thickness at shoulder, flesh reddish orange, tender, delicate flavor. Same size and shape as Chantenay.



Carrots—Chantenay Red Cored

Danvers Half Long or Rubicon—75 Days. This is probably the best known variety of Carrot, as for years Market Gardeners have used more seeds of this variety than all others combined. It is a broad shouldered cylindrical variety, 7 inches long, 2½ inches at the crown and gradually tapers to a blunt type. Color bright orange. Tender and is of excellent quality.

DANVERS RED CORED—75 DAYS. Very extensively grown. A rich orange color, smooth and handsome. Roots are 6-7" long and taper to a blunt point. They are sweet, crisp and tender and this improved strain is nearly coreless. A good sort for the home gardener to grow for storing over Winter.

Imperator—76 Days. "All-America" Silver Medal 1933. Tops medium size. Large enough for bunching. Length of root 7 to 8 inches. Indistinct core. Diameter of shoulder 2 inches. Rich orange flesh, fine for the market gardener, as its narrow or sloping shoulder, tapering half blunt end makes it especially fine for bunching.

Long Orange or St. Valery—80 Days. This extremely productive carrot frequently grows 10 to 12 inches long, sometimes longer, and produces a root of deep orange color, of about 3 inches diameter at the top of crown, tapering to a slight point. This is a variety used for both table feeding and stock feeding.

Nantes—70 Days. The handsome, half-long, well-shaped orange roots grow 6-7" long and are perfectly cylindrical, being from 1-1½" thick the whole length, ending abruptly in a small, thin tail. They are fine-grained with a tender, sweet flavor and are practically coreless. Pure orange-scarlet flesh. Excellent for freezing.

Oxheart (Guerande)—70 Days. A thick blunt variety, 3 to 4 inches long and 2 inches in diameter. When full size grows to a diameter of a pint measure but should be eaten when one inch in diameter. Bright orange. An excellent variety.

Tendersweet—75 Days—All-America Silver Medal Winner. A long-bunching type which requires a deep soil for best development. When fully mature, the roots measure 1½-2" at the shoulder, are 8-10" long and taper to a blunt end. The skin is a rich orange-red, with a deep orange interior and an indistinct core. Quality excellent, texture crisp and brittle. Foliage is distinct, as leaf stalks are tinged with purple. Highly desirable.

Landreth's Cauliflower

One-half oz. of seed will sow 100 yds. of row, ¼ lb. will produce enough plants for an acre. It grows best in cool weather. Should be grown generally like cabbage. Start hotbed in Jan. or Feb. for early crop, transplant when danger of freezing is over. Sow in May or June for late crop. Plants should be set about 18" apart, in rows 2'-2½' apart. Root-rot yellows can be controlled by treating soil with 8 oz. solution of bichloride of mercury to 50 gallons of water. Days given below are from setting of plants to marketable heads.



Cauliflower—Early Snowball

Autumn Giant—130 Days. Finest of the late Cauliflowers. It produces immense, compact heads 8-10" in diameter. Like all late varieties, it is recommended for Fall crops only, and in regions where Cauliflower is sure to survive. Plants are large and very vigorous.

Early Snowball; Select Strain—95 Days. An extra early sort, early as any under whatever name. Plants short and stocky, erect, pointed leaves, producing round heads, pure white; extremely early and perfectly solid. Autumn crops are earlier than Spring crops. A variety of widest celebrity, by reason of its reliable qualities of productiveness, color, flavor and keeping qualities. Leaves long and narrow. No strain superior to that which Landreth offers. The most popular variety.

Early Snowball—96 Days. A fine select strain of this well-known Cauliflower, producing excellent heads.

Snowdrift—96 Days. Noted for its extremely white heads which are large, deep and have a fine, tight curd. The plants are sturdy and their large leaves cover the head exceptionally well. Matures same time as Snowball. This is a very reliable type and popular in many sections.

Landreth's Collards

One ounce of seed for 100 yards of row. A loose-leaved plant of the Cabbage family

Cabbage or Heading—90 Days. A cross between a Cabbage and a Collard. Of Georgia origin.

Georgia Southern or Creole—80 Days. Cabbage greens. The leaves can be blanched white as Celery, made tender by enveloping each plant from the top downward with a large paper or muslin bag during late growth. Stems long, 2 to 3 ft., white or golden. Grown in sections where Cabbages do not thrive.

Landreth's Chicory or Succory

Sometimes called French Endive. Plant four ounces for 100 yards of row

Cicoria Catalogna (Italian Dandelion) — 65 Days. Very popular for early greens, dandelion like leaves, shoots tender, edible with dandelion flavor

Large Rooted or Coffee—100 Days. This variety should not be confused with the Witloof, which is used as a salad, for this is little used as such. Roots when dry are used as a substitute for coffee.

Witloof (French Endive)—110 Days. The leaf resembles a head of Cos Lettuce, large, thick; stems tightly folded against each other, the heart bleached like Celery.



Celery

Landreth's Celery

Two ounces of seed will plant 100 yards of row, $\frac{1}{4}$ lb. per acre. 1 oz. produces about 5000 plants. Maturing in 130 to 150 days according to season. Sow thinly just before the Apple tree is in bloom on a finely raked, well pulverized piece of ground, in a moist place or convenient to water, which should be applied freely during dry weather. The seed should not be covered more than a tenth of an inch. It is quite customary after planting celery to cover the ground with a slight sprinkling of straw or salt to retain the moisture. As soon as the seed is sprouted, take the hay or other covering off. Celery seed will not germinate in dry soil; therefore, it is very essential to plant it very early in the Spring. Start in hotbed or open ground. Thin to 4" apart when 3" high. Transplant in June or July 6" to 8" in rows 3' apart. Usually seed is sown 75 to 90 days before transplanting.

Easy Blanching or Sanford Superb — 130 Days.

Vigorous, plants medium size, stalks slightly taller than Golden Self-Blanching. White, crisp, thick, brittle, tender stalks, blanches easily, of an aromatic or nutty flavor. Foliage very crumpled.

Emperor or Fordhook — 130 Days. A Dwarf variety of superior excellence. Showy dark green foliage with a golden heart, noted because of its particularly upright growth of unusually thick, stocky stalks. Very solid and large. No suckers. Sixteen inches high.

Giant Pascal — 140 Days. A mammoth, silver-white stalked variety, one of the best, if not the best, large green celeries still on the market. It is productive, consequently profitable.

Golden Plume or Wonderful — 115 Days. We hesitate to recommend a seed sort to take the place of Golden Self-Blanching, but here we offer something superior. This variety is an individual line selection from Golden Self-Blanching, is five to ten days earlier, produces a larger, thicker and more solid stalk, blanches much more easily, is of richer color, being creamy yellow and lastly, it withstands blight much better. No strain, no matter what the selling price may be, is superior to Golden Plume.

Golden Self-Blanching (Tall) — 120 Days. By many believed to equal the famous French grown of this variety. It is a big hearted type. The plants develop crisp, tender stalks of rich, golden yellow color. It requires little blanching. 26 to 30 inches tall.

Summer Pascal. Produces a round, smooth stalk with a good, full heart. Requires 10 days or more to bleach with paper. Slower growing than Wonderful and burns easier.

White Plume — 115 Days. This is a most desirable, early, handsome Celery. One of the best varieties of Celery in the market. It is especially fine for private gardens. No garden should be without this most delicate and delicious variety. It is self-blanching to a great extent—consequently after earthing it blanches very quickly and is soon ready for the table. It is tender and sweet. White Plume plants are very attractive in appearance.



Turnip Rooted or Celariac

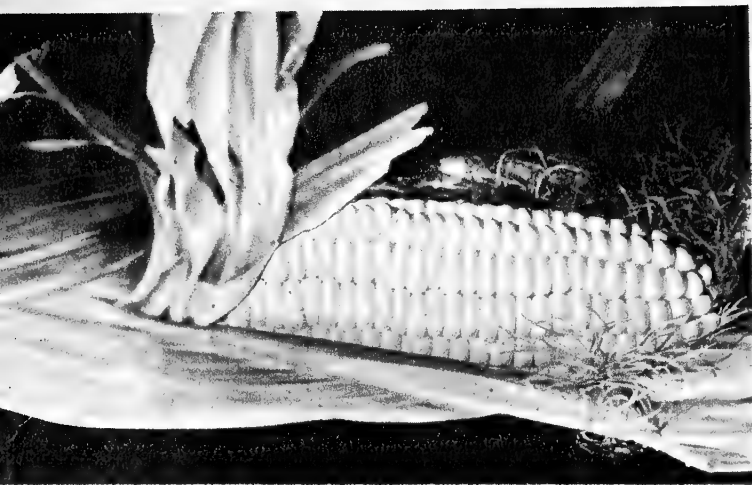
Large Smooth Prague — 120 Days. This plant is used for the large Turnip-like bulbs forming under the ground. The stems above ground are of no value except to use for flavoring. The seed should be sown and given the same treatment as any ordinary Celery, except it is not necessary to earth up the plants.

Landreth's Sweet Corn, Hybrid

This type of sweet corn is grown the same as the open pollinated except that it takes less seed per acre. Growers have found that 8 lb. is sufficient to plant an acre. Do not try to save your seed from hybrids as the seed must be produced by crossing each year. On account of their deep root system they are more drouth and heat resistant and more immune to disease; they are also most prolific and uniform.

Carmelcross — 71 Days. Yellow. Stalk 5 to 6 feet. Ears 7" averaging 12 rows. Midseason variety. Wilt resistant. Introduced 1934.

Evergreen 14x13 — 90 Days. We have tested the various Stowell's types, and observed them in all parts of the country. In our opinion only one is outstanding. We now offer this one to our customers. It will increase your yields and uniformity of your crop.



Corn—Ioana

GOLDEN CROSS BANTAM—86 DAYS. Grains medium length, golden in color. A well-known single cross or Inbred Hybrid produced by crossing Purdue Bantam No. 39 with Purdue No. 51. Height of stalks $5\frac{1}{2}$ to 6 ft. Ears medium length and thickness, average length 7 to 8 inches, short pointed. Rows mostly 10 or 14. An excellent Hybrid in uniformity, quality, and high yield. Resistant to Wilt Disease.

Sweet Corn—Hybrid

Ioana—87 days. An attractive variety. Stalks 6 to 7 ft. Ears $7\frac{1}{2}$ to 8", 12 or 14 rows. Cylindrical, well filled with medium, narrow, light yellow kernels. An excellent garden and canning variety.

Lee P 39 x C 27—82 Days. Yellow. Midseason variety. Quality excellent. 12 or 14 rows. Kernels broad. Recommended for New England.

Lincoln 39 x 23—82 Days. Yellow. Narrow kernels. Stalk 7 to 8 feet. 12 to 18 rows. Vigorous habits. Satisfactory in nearly all sections. Introduced in 1942.

Marcross—80 Days. A golden Hybrid of exceptional merit. About a week earlier than Golden Cross Bantam with a slightly shorter ear, and other characters about the same.

NARROW GRAIN 14x11—90 DAYS. As with Country Gentleman and Evergreen Hybrids, many inferior Narrow Grain strains are offered. After years of testing and observation we have uncovered the best one of this type. Try Landreth's stock of Narrow Grain Hybrid.

Spancross—79 Days. Grains medium length, golden yellow. The height of stalk is about the same as Golden Cross Bantam, ears about the same length, 7 to 10 inches. There are usually 12 rows of golden yellow kernels of fine quality. Spancross is 5 to 7 days later than Spanish Gold. About a week earlier than Golden Cross Bantam.

Tendergold—82 Days. Yellow. Stalk 6 to 7 feet. Ears 7 to 8 inches nearly cylindrical. Similar in appearance to Golden Cross Bantam—12 to 16 rows. Good flavor and excellent quality.

Whipcross 39 x 2 — 85 Days. Grains medium yellow, medium breadth. Good variety, desirable for cream or whole grain pack. Ears 7 to 8", very well filled—14 or 16 rows, slightly tapered, stalks 7 to 8 ft. A very good medium late variety.

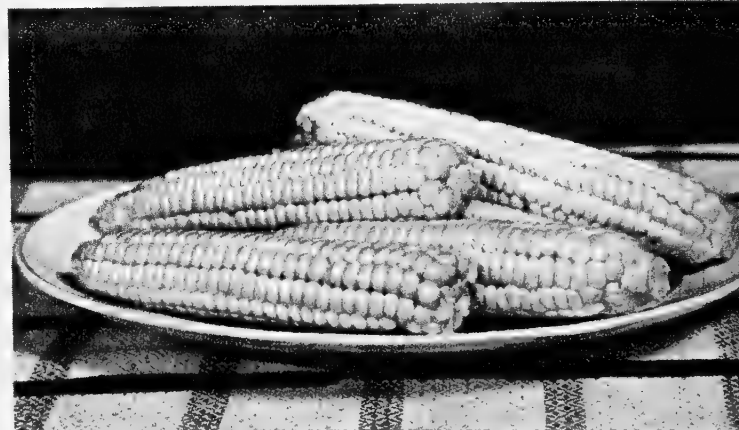
Landreth's Garden Corn for Roasting

(NOT HYBRID)

Adams Early (Ideal)—80 Days. Height of stalk 5 to 6 ft. Ears average 6 to 7 inches. Rows generally 10 to 14. Used for roasting ears.

Adams Extra Early—74 Days. Height of stalk $4\frac{1}{4}$ to 5 ft. Ears averaging 5 to 6 inches. Rows generally 10 to 14. This is a white dent variety.

Trucker's Favorite—85 Days. Height of stalk $7\frac{1}{2}$ to 8 ft. Ears average 7 to 8 inches. Rows generally 12 to 14. This is a favorite in the South for roasting ears, being a white dent.



Corn—Landreth's Money Maker

Landreth's Sweet Corn

Plant in hills 3' apart each way for early varieties, $3\frac{1}{2}$ '-4' apart each way for later varieties. Plant 4-6 kernels in each hill. When 6" high thin to 3 or 4 to a hill. Shallow cultivation is advisable until tassels appear. One-half pound will plant 100 feet of row; 12 pounds per acre. Any soil if reasonably fertile and deeply worked is suitable. Should not be planted until danger of heavy frost is past. The main or later crops should not be planted until the ground is quite warm.

Standard Open Pollinated Varieties—White

Black Mexican — 84 Days. The matured grains are black or purple, but when edible they are white. Height of stalk $6\frac{1}{2}$ to 7 ft. Ears about 8" long. Usually eight rows.

Country Gentleman—95 Days. Grains long and irregular, very narrow and white in color. Stalks $5\frac{1}{2}$ to 6 ft. Ears medium length and thickness, averaging 6 to 7 inches, irregular rows. One of the best sweet corns for family garden and one of the most popular varieties used by commercial canners.

Early Evergreen—88 Days. Height of stalk 7 feet. Broad, vigorous green foliage. Ears about 7 to 8 inches long, with 14 or more irregular rows. Very deep, white grains.

Howling Mob—82 Days. Grains medium length and white in color. Height of stalk 6 to $6\frac{1}{2}$ feet. Ears medium length and thickness. From 12 to 16 rows. In appearance, the kernels are pearly.



Corn—Golden Colonel

LANDRETH'S MONEY MAKER — 100 DAYS.

Grains medium length, broad and white in color. Height of stalk 7 to 7½ ft. Ears medium length and thin, averaging 6 to 7 inches, long pointed. Cobs small in diameter. Rows mostly 8 to 12. This is the finest quality sweet corn on the market, being of excellent flavor and extremely tender. Money Maker should be planted as early as possible. It remains edible for a longer period than other varieties. The finest eating sweet corn ever developed. Tender and honey-sweet.

Long Island Beauty—98 Days. Height of stalk 8 to 9 ft. Ears averaging 9 to 10 inches. Rows mostly 12 to 16.

Stowell's Evergreen—90 Days. Grains long and white in color. Height of stalk about 7 to 8 ft. Ears medium length, thick. Average 8 to 9 inches long and short pointed. Rows mostly 12 to 16. This is the standard variety of sweet corn, much more of this variety being sold than any other. It is very popular for home and market gardeners and canners.

The Vanguard—72 Days. Grains medium length, color white. Height of stalk 5 to 5½ ft. Ears medium in length, thick, averaging 6 to 7 inches, short pointed. Rows mostly 12 to 16. About a week to ten days earlier than Howling Mob. A favorite in New Jersey for a first early sweet corn.

Whipples White—87 Days. A midseason variety with deep grains similar to Evergreen. Stalks 5½-7", ears 14-18 rows, 7-8" long. Kernels deep, medium narrow, pure white and tender.

Standard Open Pollinated Varieties—Yellow

Bantam Evergreen (Golden Evergreen)—86 Days. Grains medium long and golden in color. Height of stalk 6½ to 7 ft. Ears medium length and thick, averaging 7 to 8 in. long. Rows mostly 12 or 14. It is a cross between Golden Bantam and Stowell's Evergreen. A good canner's variety.

Barden's Wonder Bantam—80 Days. Height of stalk 5½ to 6 ft. Ears 7 to 8 inches, mostly 8 rows. An improved strain of Golden Bantam type.

Golden Bantam (8 Rows)—80 Days. Height of stalk 5 to 5½ ft. Ears average 6 to 7 inches long. Its golden kernels have a delicious flavor. 8 rows.

Golden Bantam, Improved (10 to 14 Rows)—83 Days. A development from Golden Bantam. Sweet, and remains tender longer than regular Golden Bantam. 10 to 14 rows.

Golden Colonel — 98 Days. Height of stalk 6 to 7 ft. Fairly well rooted. Ears 6 to 7½". Zig-zag kernels slightly tapered, moderate husk covering usually tight. Seeds chrome yellow, narrow, deep shoe peg type. Good variety. A Golden Country Gentlemen.

Golden Early Market—75 Days. Height of stalk 5½ to 6½ ft. Ears 6½ to 7", tapered 10 to 16 straight rows. Moderately filled tips. Kernels light to medium yellow, broad, medium depth, fair to good flavor. Large eared early market corn.

Golden Gem — 67 Days. Stalks short frequently bearing two ears. Kernels deep yellow, eight rowed, very sweet.

Golden Giant—88 Days. Height of stalk 5½ to 6 ft. Ears average 6 to 7 inches. Rows mostly 12 to 16. The kernels are creamy yellow in color and the flavor is unusually delicious.

Golden Sunshine—74 Days. Stalk 4½ to 5 ft. Ears 5 to 6 in. long. 10 or 12 rows. Not recommended where Stewart's Wilt Disease is prevalent. Sweet and tender. Very early.

Whipple's Yellow—82 Days. Grains medium length, golden yellow color. Height of stalk 6 to 6½ ft. Ears medium in length and thickness, averaging 6 to 7 inches, long pointed. Rows mostly 14.

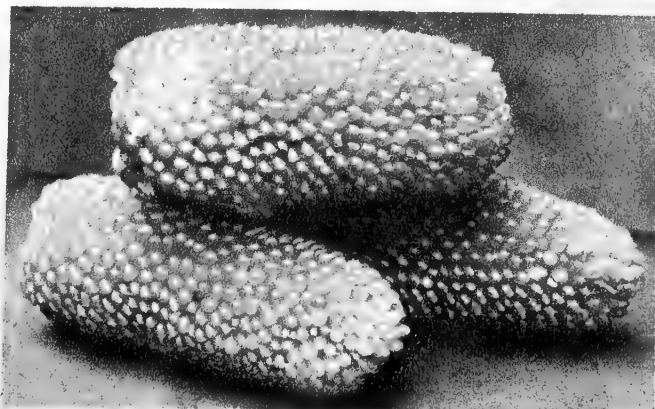
Landreth's Pop Corn

Hulless (Australian)—95 Days. Grains long and pointed, and white in color. Height of stalk about 5 ft. This is a dwarf growing sort, producing an abundance of very thick short ears 4½ to 5 inches long. These are closely set with narrow tight grains, some ears having as many as 30 to 40 rows of kernels.

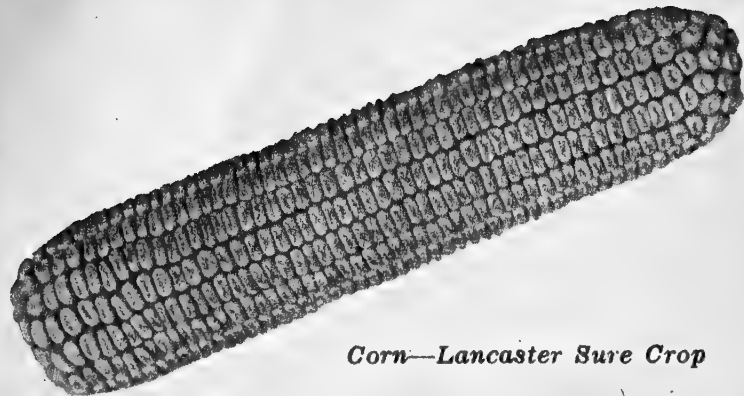
Queen's Golden (Golden Queen) — 115 Days. Golden grain, creamy white when popped. Height of stalk 6½ to 7 feet. Length of ear 5 to 7 inches thin. Practically identical in every way to the White Rice, except that the grain is a golden cream color.

South American (Dynamite)—105 Days. Yellow variety. Large eared and enormous when popped. 12 to 16 rows.

White Rice—110 Days. Grains long and pointed, somewhat resembling rice, from which it takes its name. Height of stalk 5 to 6 ft. Ears 5 to 7 inches long, having 14 to 20 rows of kernels.



Popcorn



Corn—Lancaster Sure Crop

Landreth's Hybrid Field Corn

U. S. 13—119 Days. Recommended for grain and silage for the Eastern States, this outstanding, high yielding field corn has extra root systems enabling it to withstand strong winds and storms. Exceedingly uniform, this variety has medium tall stalks and deep grains.

Landreth's Field Corn

Plant 7 to 12 pounds to the acre or about one bushel (56 pounds) to 5 acres. Originally a native of North and South America. Was grown in Peru centuries ago. Our regular stocks of Field Corn, grown in Bucks County, Pa. (one of the four best corn counties), are superior in quality and germination.

Bristol Early Yellow or White Capped Yellow Dent—100 Days. Grains are light or lemon yellow color with a white dented cap or top. Height of stalk 7 to 7½ feet with ears averaging 10 to 11 inches in length. Rows generally 10 to 14 on a white cob.

Golden Dent—110 Days. Grains are a glossy golden yellow color with a distinctly dented cap or top. Height of stalk 8½ to 9 ft. Ears averaging 8 to 9 inches. Rows generally 14 to 18 on a red cob.

Lancaster Sure Crop — 110 Days. Grains are orange yellow color on the sides and the shallow dent on the cap or top being yellow. Height of stalk is from 8 to 9 feet. Ears averaging 11 to 12 inches. Rows generally 12 or 14 on a red cob.

Leaming—105 Days. Top of kernel is bright, unglazed and yellow. The body of the kernel is dark yellow and glazed. Height of stalk 8½ to 9 ft. Ears run from 7 to 8 inches in length. Rows 14 to 18 on a red cob.

Penna. Long Yellow Flint or 8-Rowed Yellow—90 Days. Kernels flinty, hard and glazed, the grains are amber in color. Height of stalk is 7 to 8 feet. Ears average 11 to 12 inches, usually 8 rows. Cob white.

Snowflake or Boone County White—120 Days. White glazed with dull white dented to gourd crown. Height of stalk 9 to 10 ft. Long, thick ears, averaging 9 to 10 inches. Rows mostly 14 to 18 on a white cob.

Yellow Sweepstakes—120 Days. Grains are golden yellow in color with a rather shallow dented cap or tip. Height of stalk about 9 to 10 ft. Ears averaging 8 to 9 inches. Rows generally 10 to 14 on a red cob.

YOUR LANDRETH DEALER IS THERE TO HELP YOU!

Landreth Dealers aren't just salesmen. Through constant cooperation with the D. Landreth Seed Company, they are prepared to give you the latest information on all seeds and products allied to seeds—and the best and finest service in supplying you with your needs.

Go to your Landreth Dealer. Get the Genuine Landreth Seed—grown by America's Oldest Seed House.

If there is no Landreth dealer in your community, you may write direct to the D. Landreth Seed Company, P.O. Box 806, Philadelphia, Pa.

We will be happy to serve you, or refer you to a nearby dealer.

Landreth's Dandelion

Cabbaging or Improved Thick Leaf—60 Days. An improved type of an old-fashion plant rapidly growing into favor as an early Salad.

French Garden—55 Days. A good sort, not so strong in growth as the Cabbaging.

Landreth's Cucumbers

Origin not positively known but thought to be in India. Plant half inch deep. Thin to 3 or 4 plants per hill. Each hill should be separated 4 feet. 1 oz. will plant 100 hills. Plant four pounds to the acre. A good crop cannot be grown on thin soil. For early use plant when the Cherry is in bloom or when danger of frost is past. For pickles plant early in August to get 2 to 3 inch fruit in late September.

Among many people the phrase white spine is not understood. The spines on the cucumber are of two kinds, white and black. They have nothing to do with the outside color of the cucumber for they are the little prickly white or black projections on the skin of the fruit.

Slicing Varieties

A. & C. (Colorado)—60 Days. Spines white. Vines healthy, robust and resistant to disease, producing cucumbers about 9 inches long, but not quite so large in diameter as Early Fortune.

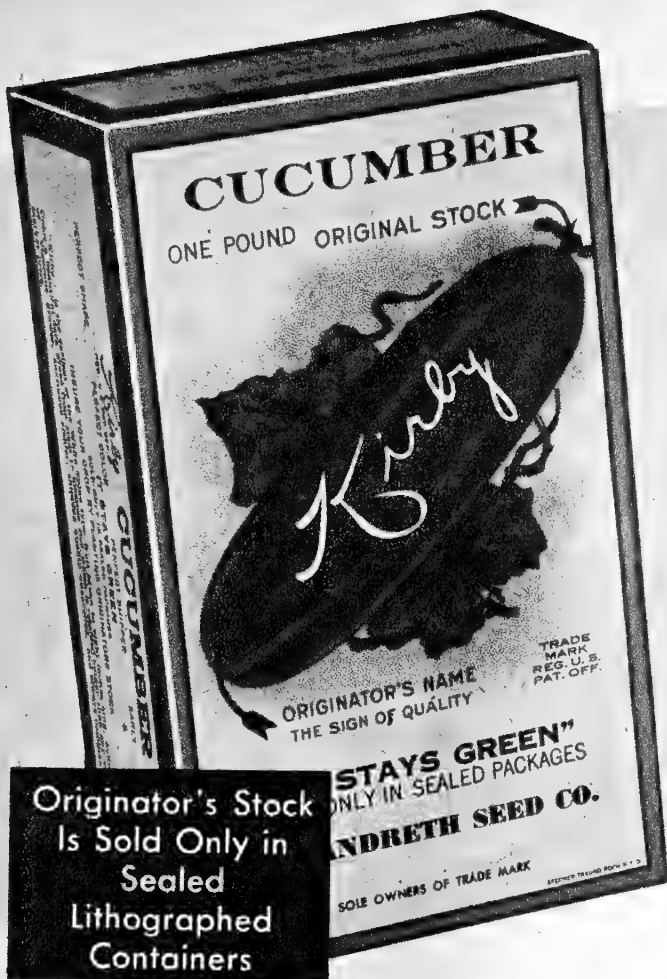
Arlington White Spine—65 Days. A cucumber that for years was the standard of perfection of White Spine types. Fruit long, slim and attractive, thicker than Early Fortune, same diameter all over, rather chunky in appearance.

Black Diamond—60 Days. One of the greenest and earliest of the Long White Spine Varieties. Hardy, large fruited, excellent shape, uniform from end to end. Its extended or long drawn out period of picking has given it a favorable reputation among Market Gardeners. Used extensively in Florida to ship North.

Cubit—62 Days. A fine dark green, white spine, cylindrical cucumber with rounded ends. Firm white flesh, ideal for slicing. A prolific bearer for the home garden.

Davis Perfect—70 Days. Intensely dark green skin but a shy producer of seeds. Flesh very white. Fine for slicing. A most desirable variety for both family and market garden cultivation. Always dark green, smooth skin. 9 to 10 inches long, tapering to both ends.

Early Fortune—64 Days. An early, long, slim, well-shaped, white spine, of a deep green color, retaining green color longer than most other sorts. Fruit about 8 inches.



Kirby "Original Strain" Cucumber — 60 Days. This is the strain now being used by a great many packers of pickles and relishes. It is a heavy producer, about 7 inches long, and has the property of retaining the color during processing, which is so essential for putting up an attractive pack. Its cylindrical fruit is very adaptable for packing, as it fills the containers to better advantage than other types. It is an early white spine variety with excellent shipping qualities. The color is dark green from end to end.

KIRBY CUCUMBER — SPECIAL LONG STRAIN — 68 DAYS. Supplanting other long type cucumbers, as it is a week to ten days earlier than many varieties and long enough for all purposes. The Kirby Cucumber Special Long Strain is 8 inches long and is sold under our trademark in the same carton as illustrated, but will have printed — above the picture — **SPECIAL LONG STRAIN.** It has all the good qualities of the original strain and is longer. Kirby Trade Mark is registered in the U. S. Patent Office and is sold exclusively in Cartons by D. Landreth Seed Co.

Longfellow—70 Days. An attractive, exceptionally long, green Cucumber of the White Spine variety. An ideal slicing type for the home gardener as well as the trucker or shipper. Fruit dark green, 12-14" long, 2½" thick. Uniform, straight and very crisp.

Long Green Improved—70 Days. A Black Spine variety. Vines very vigorous and productive. One of the best, if not the best, variety for slicing and salting. A very prolific bearer. A universal favorite. Hardy and disease resistant. Fruit 12 to 13 inches long, somewhat pointed at the end with warts particularly on stem end.

Marketer—65 Days. A new variety. Vines are vigorous, fruit slightly tapered at each end. Very dark green in color, uniform and trim in appearance. An attractive variety for the early market.

White Wonder—58 Days. Fruit produced in clusters. Symmetrical, short, blocky and rounded at both ends. Color is ivory white from time of forming until maturity. Moderate producer.

Straight Eight—66 Days. Length about 8 inches, 1½ inches in diameter. Fruit well rounded at the ends. Deep green in color. Free from striping. Symmetrical. Desirable for shipping. An All-America Gold Medal Award in 1935.

Pickling Varieties

Boston Pickling—58 Days. A very productive variety, robust in growth; dark green, paling to light green at tip. Warty and black spined.

Chicago Pickling—58 Days. Vine vigorous, foliage broad. Fruit rounded with square ends, choice green color with smooth skin, few spines. We can recommend this variety as being the most desirable, the sturdiest and hardiest of all pickles.

Early Cluster—52 Days. Fruit borne in clusters, of two or three, from which it gets its name.

Green Prolific Pickling (Short Prolific)—56 Days. A short-vined, short fruited, productive variety, producing fruit for pickling in a comparatively short time. Black Spine, an abundant bearer, highly recommended for pickles. Short vine allows planting in rows as close as 2½ feet.

Jersey Pickling—56 Days. A short black-spined, productive sort, having the reputation of ripening better than any other variety and of holding its color. Early Spring sowing will develop fruit of pickling size 2 to 3 inches, in 50 days.

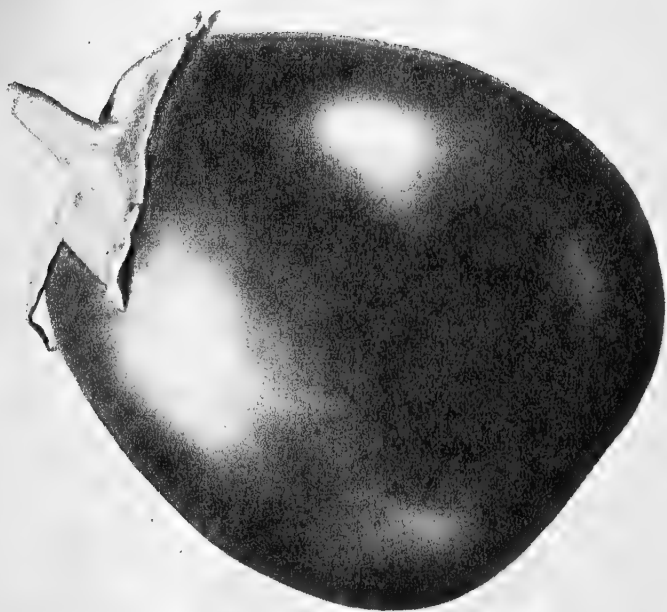
National Pickling—56 Days. A fine pickle developed at the Michigan Agricultural College. Dark green, square ended, resembles Snow's Pickling.

Snow's Perfection Pickling—55 Days. In appearance of fruit a variation of the Chicago Pickle, but considerably longer in vine than Short Prolific. Small, early, dark green, both ends blunt. It has a reputation of being more productive than any of its class and in every way suitable for pickling.

West India Gherkin or Burr—65 Days. Used for pickles only. Form of fruit resembles a horse chestnut burr. Covered with prickly spines.



Cucumber—Long Green Improved



Landreth's Large Round Purple

Landreth's Eggplant

Eggplant is a native of Africa. Years ago in the Southern States it was called "Guinea Squash." One ounce of seed will provide 2000 plants, enough for one-quarter of an acre. Seed under favorable conditions breaks ground in 9 days. This fruit is one of the finest for the garden on the market. Plants are a little difficult to raise, owing to the fact that the seed often germinates slowly. Should always be started in a hotbed, or on a window ledge in the house. After the plants show two rough leaves they should be transplanted 3 to 4 inches apart to give them room to develop, so that after they have gotten sturdy they can be planted in the open garden with 2 ft. between rows and 3 ft. between plants. The plants will produce an average of 4 to 5 fruit—sometimes 10—weighing 5 to 6 pounds.

Black Beauty—125 Days. This variety is earlier than the Landreth's Large Round Purple, but it is slightly smaller. It is very popular because it does not lose its black color.

Florida High Bush—130 Days. We cannot recommend this variety nearly as highly as we do the Landreth's Large Round Purple, or Black Beauty, although it is very popular in some sections. Vines 26 to 32 inches, vigorous, and a continuous bearer.

Fort Myers—80 Days. Large, oval fruits of deep, almost black, purple color and extremely smooth skin. High resistance to disease and excessive heat as is characteristic of the high bush type.

Landreth's Large Round Purple—130 Days. It is productive and vigorous. The fruit often reaches a weight of 10 to 12 pounds. Fruit broad and flat at the bottom. Diameter is nearly equal to the length. Color when grown on soil of proper quality is a deep purple, often appearing almost black, although not as black as the Black Beauty.

New Orleans Market — 85 Days. The fruit is large size, oblong in shape, dark purple and spineless. Plants grow to a height of about 4 ft. Very popular with growers and shippers as it is blight resistant and endures drought. We recommend this variety.

New York Improved—130 Days. This is probably the oldest and best known variety on the market. It is early, produces 4 to 6 very large fruit of excellent quality. The fruit is better if grown on a sandy loam.

Landreth's Endive



Endive—Broad leaved Batavian

Sow one ounce of seed for 150 feet of row. Plant three pounds to the acre. Sow in the Spring as soon as the earth is free from frost and replant to within 60 days of Autumn frost. Drill in rows 14 in. to 20 in. apart, and thin the plants to 8 inches. Tie up the loose leaves or cover with a pot to blanch the salad. This is one of the most palatable Vegetables which can be used as a salad as well as a garnish to table vegetables. Endive can be boiled like Spinach. It is of rapid growth. The plants are of rosette shape and can be tied up and bleached pure white like Celery. Blanching greatly improves the taste.

Broad-Leaved Batavian or Escarolle—90 Days.

Foliage broad and flat, 16 inches in diameter—deep green leaves with thick midrib. Leaves are exceedingly palatable when well bleached. Stands dry weather better than any other sorts.

Full Heart or True Heart—86 Days. An Improved Batavian, only broader and thicker head at eating stage. Excellent shipping qualities.

Giant Green Curled or Ruffick—85 Days. This is a hardy growing variety, 16 to 18 inches in diameter, with deep green leaves. When tied up these plants of red footstalks bleach white very quickly.

White Curled—96 Days. A distinct variety of white or light-colored leaves. More delicate and smaller in form than the large green curled. Less astringent than the green; is slightly easier to bleach.

Landreth's Herbs

Because of their strong, spicy taste and odor Herbs are used generously in the preparation of food both in the home and in commercial kitchens. To preserve, dry thoroughly, then rub the foliage almost to powder. Store in jars or bottles tightly corked. A number of herb varieties previously imported from Europe are unavailable. Herbs are very ornamental, many bearing really lovely flowers. Some are perennial, and when once established, may be preserved for years. Sow the seed very carefully in seed-beds about the middle of Spring, and the following Autumn or Spring transplant the perennials to convenient situations. Most Herbs prefer full sun.

Anise—Flowers yellowish white. Roots and leaves somewhat like Celery. Use for garnishing, seasoning, and in cordials. Also used in bread, cake, cookies and candy. 14 to 16 inches tall. Seed should be sown where plants are to stand.

Basil—Sweet Large Leaf—The clove flavored foliage is tall, light green and very aromatic. Stalks 18 inches. Excellent in omelets, soups, and as a garnishing for salad. Splendid in cheese or tomato dishes and in fruit drinks. Purple flowers.

Borage—Flowers excellent for bees and for garnishing cool drinks. Only the small tender leaves should be used. Flowers purple or violet, and are fine for house decoration.



Mammoth Dill

Coriander—White flowers. Seeds used in confectionary and for flavoring beverages.

Dandelion—Used in salads for its pungent taste.

Fennel, Florence—Bulb is usually boiled and used in fish sauces. Blanched stalks can be eaten like Celery.

Dill, Mammoth—Seed used for seasoning pickles, and foliage in salads. Flowers attractive yellow.

Nasturtium—Seeds and leaves used in salads and pickles.

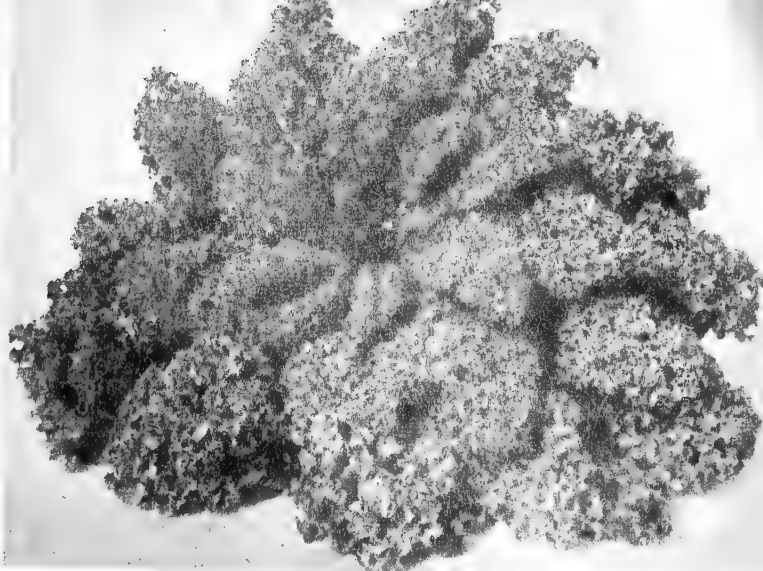
Sage—Perennial. One foot. Leaves used for seasoning meats and poultry dressing.

Sorrel—Narrow leaved, can be eaten raw like Lettuce, or boiled like Spinach. Endures 4 to 5 years. Perennial.

Landreth's Kale or Borecole

One ounce of seed will sow 100 yards of row. Four pounds to the acre. This is a very valuable plant for greens. A curly, loose-leaved plant of the Cabbage family. Sow in the early Spring when the Oak is in full leaf, again in the early Autumn. Drill in rows of 2½ feet, thin to 8 or 20 inches, according to vigor of variety.

Bloomsdale Double Extra Curled—50 Days. A superior sort, introduced by us in 1894, being very curly, dark blue green, hardy, so short stemmed that it rests practically on the ground, 9 to 11 inches broad, spreading and far denser in foliage than any other sort. Plants broader than a bushel basket and seem to hug the earth. More hardy than Dwarf Curled Scotch, passing unharmed through the severest Winter as far north as Philadelphia. 9 inches high.

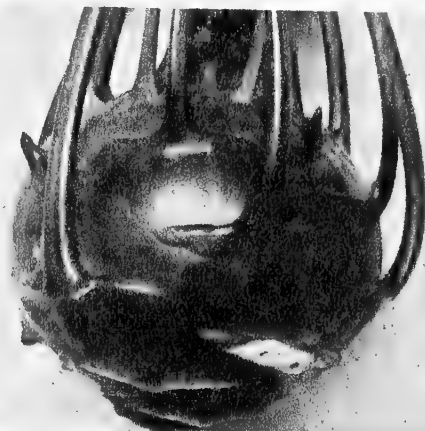


Kale—Bloomsdale Double Extra Curled

Dwarf Blue Scotch—50 Days. Very finely curled leaves on short stem. Color: blue green. Dwarf. Compact.

Dwarf Curled Scotch or Norfolk—55 Days. A very favorite sort for garnishing. Sometimes called Dark Green Moss Curled. Foliage dark green, very finely curled. An excellent variety of spreading habit, short stalk. 14 to 16 inches in height.

Dwarf Siberian—60 Days. Foliage flat, broad, curled on edges, blue, hardy. Stands a most rigorous Winter. Very vigorous, 16 inches, large leaves, comparatively plain, frequently grown for forage.



Kohl Rabi—Purple Vienna

Landreth's Kohl Rabi

One ounce of seed will plant 200 feet of row. Plant four pounds per acre. This plant, used both for table and for cattle feeding, is a Cabbage in which the cultural development has been directed to the stalk, not to leaf. Enlarged stems take the globular form of the Turnip and are the edible part. Best eaten when the bulbs are not very large and remove outer skin before boiling. More tender and sweet than Turnips. Culture is similar to Cabbage. Plant early and sow until hot weather. Cover seed ½ in., sow in rows 12" to 18" apart. Thin plants to 5".

Purple Vienna—60 Days. The bulb of this variety is purple. Green leaves with purple stems. It should be cooked when not over two inches in diameter. In maturity it develops for use with the White Vienna.

White Vienna—60 Days. Very choice stock. Short-leaved, bulb light green, very rapid in growth. Fine in texture if eaten when not over two inches. Symmetrical in form.



Leek—Giant Musselburgh

Landreth's Leek

Used for soup, stew, creamed, and salad. A member of the Onion family. Mild flavor. One ounce will sow 150 ft. of row. Allow four pounds to the acre. Breaks ground in 9 days under favorable conditions. Sow when apple is in bloom and again in midsummer $\frac{1}{2}$ " deep. If for permanent position, sow in rows 18" apart; if for transplanting, sow close in beds. To secure a full development, thin out the rows or plant the seedlings 4 inches apart in the row. Before the danger of hard frost take up the plants and preserve in trenches the same as Celery. Draw soil up around plants to blanch them.

Giant Musselburgh—85 Days. A remarkably large and showy variety. Leaves broad, deep green, and flat. Hardy edible stems. Six to eight inches in length.

Landreth's Lettuce

Lettuce has been cultivated in Europe since 1562. The origin before that is unknown. One ounce of seed will plant 200 feet of row. Plant three pounds to the acre. Breaks ground in 8 days under favorable conditions. To have outstanding Lettuce in early Spring, sow in seed bed the September preceding. Protect the plants during the Winter in a box covered with glass or litter. Early in the Spring transplant half into rich ground. The other half force to an earlier development under sash. For a later supply, sow in drills; when up a few inches, thin out plants 10 to 12 inches apart for heading varieties and 3 to 8 inches for loose-leaved. Plant seed very shallow. Use plenty of water, thoroughly cultivate and if possible shade lettuce in the hottest weather.

Heading Varieties

Big Boston—70 Days. A white seeded cabbage lettuce, generally known in Europe as "Trocadero Cabbage." A reliable, popular and uniform header. Well shaped, globular, medium light green with a slight tinge of bronze on the margin of the outer edge. Leaves smooth, practically no blisters, very hardy. An excellent shipper.

Cosberg—73 Days. White seed. Distinct new variety used in eastern United States. Resists heat. Leaves moderately blistered and fringed at margins. Heads medium size, solid, pale green to almost white inside. Very good texture. Especially adapted to home gardens.

"SEEDS WHICH SUCCEED"

Our famous slogan is no idle chatter. Landreth Seeds have been known and valued for their quality. Tried and tested, tried and tested again and again, they come to you with proved ability to be the "SEEDS WHICH SUCCEED!"

Crisp-As-Ice—74 Days. Well known for its ability to head even during hot weather. Medium size. Dark green outer leaves with reddish brown tinting. Solid heads cream color in the heart.

Great Lakes—75 Days. A crisp head, summer lettuce able to stand the heat and the sun. It is remarkably slow to throw a seed head, and it is very resistant to tip burn.

Hanson—80 Days. White Seed. One of the standard globular heading varieties of many years. Leaves curly, crisp, with fringed edges, but not as fringed as Grand Rapids, folded so tightly as to make an attractive white interior. Medium size, light green leaves, heat resisting.

ICEBERG — 80 DAYS. White Seed. A curled heading medium large, crisp, green variety, edges fringed and tinged with brown. Outer leaves have strong ribs enclosing an exceedingly crisp and white interior.

IMPERIAL NO. 44 — 80 DAYS. Undoubtedly the best heading Iceberg for the East. It can be grown on a large variety of soils. Competes successfully with Western grown Iceberg. It makes heads better than any other strain. Resists top burn. Some trial rows cut 100% in July. True Iceberg type. Heads solid.

Imperial 456—82 Days. Will mature hard heads in Summer from seed sown directly in the field. Has a distinctive, grass-green color, brittle foliage, prominent mid-ribs. From plants started in greenhouse, will mature heads in season between New York 12 or Imperial 44. Small frame, large head. Will not burn in hottest weather.

Imperial No. 847—83 Days. Black seeded. Iceberg type. Will produce large solid heads in Spring, Summer and Fall. It is a little later than Imperial 44 but has larger heads of finest quality.

May King—60 Days. White Seed. Producing a Cabbage-like head, round, solid, medium size, light green, slightly tinged with brown edges. Is an early, quick grower and an extremely good shipper.

Mignonette—68 Days. Black Seed. A curly crisp small heading variety. Leaves much crumpled, brown with dark greenish tinge, forming a small but compact hard head.

New York (Wonderful or Los Angeles)—80 Days. White Seed. Possibly the most sought after Lettuce in the market today. It is the crisp hard Lettuce which is served so extensively on dining cars and in hotels and restaurants. It is a large heading variety, dark metallic green, slightly curled on the edges.

New York No. 12—73 Days. An early improved strain of New York for Spring and Summer. It is a well bred selection of this famous lettuce, being lighter in color.

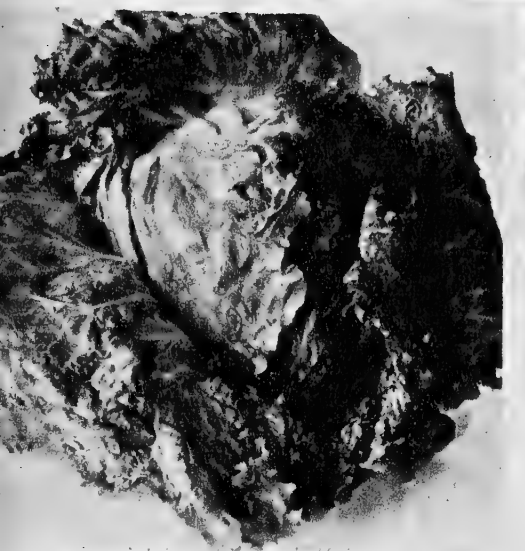
WILD BIRD SEED MIXTURE

This is a splendid and well-balanced seed mixture which will attract many of our feathered friends throughout the long, cold Winter months.

The preservation of our birds is extremely important, and the feeding of them not only provides us with "farmers' helpers," but affords an excellent opportunity for the study of bird-life by children and bird lovers.

Here is a wonderful value for fostering bird friendship:

10 Pound Bags—Only \$1.75 each!



Lettuce—Imperial No. 44



Lettuce—Black Seeded Simpson



Lettuce—Paris White Cos

Salamander (Black Seeded Tennis Ball)—65 Days.

Black Seed. A large, light green, compact head with a white heart. Very tender, crisp, extremely slow to run to seed. The Salamander is one of the best heat resisting Lettuces available today.

Simon's Cabbage Head—70 Days. One of the finest heading Types in existence. Outer leaves smooth, light in color. Heads globular in shape. One of the most productive varieties.

Simon's Cabbage Head, Select Stock—70 Days. A superior strain of original Simon's Cabbage Head Lettuce. This strain is developed from the most perfect types and we recommend it with fullest confidence.

White Boston—70 Days. This white seeded variety resembles Big Boston in appearance except that its outer leaves do not turn red and are smoother than most varieties. We consider this strain superior to Big Boston and just as early. It is as productive and is an exceptionally fine Lettuce.

Loose-Leaved Varieties

Black Seeded Simpson—45 Days. Black Seed. A standard loose-leaved American variety of very good quality. Crisp, yellowish green leaves of large size. Grows very quickly. The flavor is excellent. The color of the leaves is a lighter yellow than White Seeded Simpson.

Early Curled Silesia (White Seeded Simpson)—45 Days. One of the best known and most popular of the curled varieties, of excellent quality. A quick growing, non-heading, crisp sort. The leaves are light green and crumpled. They are similar in appearance to the Black Seeded Simpson, only of a more golden yellow.

GRAND RAPIDS—45 DAYS. Black Seed. One of the leading non-heading varieties. Curled, crisp, light green, waxy leaves very much fringed. Cultivated extensively in the West under glass. Very tender leaves of fine quality. Similar to Boston Curled.

Oak Leaf—40 Days. Forms a tight bunch, or rosette, of medium-green leaves which are deeply lobed, with the end lobe elongated, giving the plant a spiky appearance. Tender, heat-resistant and of excellent quality. Retains its flavor late in Summer, long after other varieties have turned bitter.

Prize Head—50 Days. White Seed. A variety used very extensively in the United States. A curly, non-heading, crisp sort, having the general appearance of bronze all over. The inside leaves are emerald green. Prize Head, also known as Satisfaction, is a rapid grower.

Cos or Romaine

This kind of Lettuce originated on the Island of Cos near Malta, in the Mediterranean Sea. Both varieties were listed by us over 100 years ago.

Dark Green Cos—65 Days. White Seed. Same as Paris White Cos except leaves are dark green.

Paris White Cos—65 Days. White Seed. A strong grower and very productive with long, shell-shaped, light green leaves of most excellent quality. It is a self-folder, but when the plant is over half grown it is best tied up with a soft string or a wisp of grass so the inner leaves may be blanched perfectly white, in which condition they are more crisp.

Celtuce—Belongs to the Lettuce family, but is entirely different in its growth and uses. When plants are young, the leaves may be used as Lettuce or boiling greens, but its chief value is in the central stem or stalk. Whether Celtuce stalks are to be eaten raw or cooked, you remove the lower leaves, then cut off all outer skins and fibrous layers until the green and tender portion is reached. Cooked Celtuce stalks have a pleasant, mild flavor. Young leaves have four times the vitamin content of head of lettuce leaves.

Landreth's Mustard

Of European origin. One ounce sows 200 feet of drill. Four pounds will sow an acre. Breaks ground in 5 days and one inch high in 8 days under most favorable circumstances in our greenhouse. In the Spring, when the Pear tree is in bloom or as soon as the ground can be worked, drill in rows 18 inches apart, covering the seed lightly. To have a succession the sowings should be made every two or three weeks till Fall. Used extensively for salad and also as spinach.

Bloomdale, Large-Leaved—35 Days. Producing, when fully grown, immense leaves which are long and broad. Leaves when not too large are very tender and palatable as a salad. The leaves when large are often boiled like Spinach.

Chinese, Broad-Leaved—45 Days. The mother variety from which Bloomsdale Large-Leaved was selected and bred.

Florida, Broad-Leaved—43 Days. Leaves exceptionally large, slightly crumpled and thick. More of a yellowish color than Chinese Broad-Leaved. Thick, white midrib. A quick growing variety.

Giant Southern Curled—35 Days. Leaves large, yellowish green, much crumpled on the edges.

Mustard Spinach (Tendergreen)—28 Days. Narrow, dark-green, leaves combining flavor of Spinach and Mustard.

Ostrich Plume (Fordhook Fancy)—40 Days. This was introduced, grown and named over fifty years ago by the Landreths. Shoots to seed much more slowly than any other sort. Dark green, long, plume-like leaves are very distinct and borne in profusion. Very curly, ornamental and delicate.

Landreth's Muskmelon *Cantaloupe*

One ounce of seed will plant 50 hills. Plant three pounds to the acre. Cantaloupes do well upon sod ground or upon land prepared for planting by plowing down a crop of Winter Wheat, or Rye, the straw keeping the soil loose. Thrives best on sandy soil. The seeds should be planted about corn seeding time in hills about 5½ feet in each direction. Sow 8 to 10 seeds in a hill. Cover the seed one inch and when plants are 4 inches tall, thin each hill to four of the best plants. Two shovelfuls of well-rotted stable manure in each hill will greatly aid growth. Cantaloupe vines are often destroyed by bugs if not properly sprayed or lime applied to the foliage in small quantities.

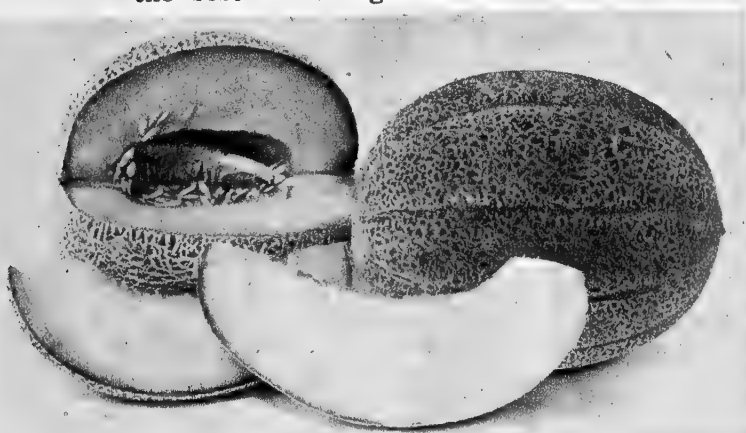
Pink and Orange Fleshed Varieties

Bender's Surprise—95 Days. This is larger than ordinary Surprise, ribbed slightly, hard and netted. Its coarse netting and heavy rind gives it good shipping qualities. The shape is similar to Surprise.

Defender (Burrell's Gem)—86 Days. A celebrated orange fleshed Melon. One of the best of the Rocky Ford types.

Edward's Perfecto—90 Days. This is a salmon fleshed, round, well netted without ribs, very small cavity variety. Excellent for shipping.

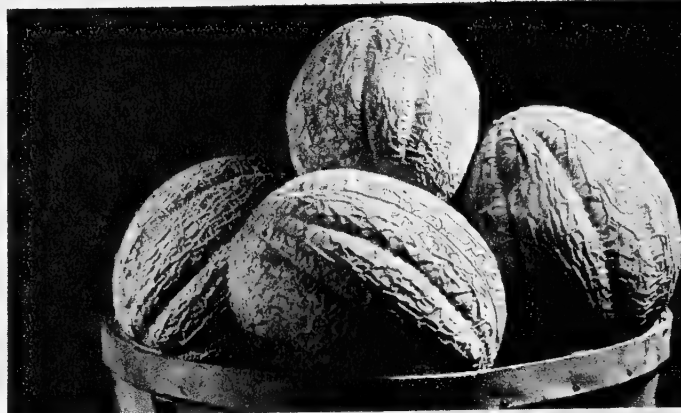
Emerald Gem—86 Days. A small, early Melon. It is globular in form, flattened at the poles, slightly ribbed, netted, orange flesh, and has a deep emerald green line under the skin. One of the best for the garden.



Hale's Best

Fordhook—86 Days. A thick, orange flesh, small cavity melon, well ribbed and heavily netted. Flat at poles, resembling the Jenny Lind in many respects, except in color.

Hale's Best No. 36—85 Days. A very early melon. Salmon flesh of exceptional thickness. Oval in shape with heavy netting and prominent ribs. 8 to 10 days earlier than Rocky Ford. Planted in many sections, its chief value being its remarkable earliness.



Pride of Wisconsin

Hale's Best Jumbo—88 Days. A larger strain than Hale's Best No. 36. Slightly oval. Weight 5 to 6 pounds. Heavily netted and more ribbed than No. 36. Salmon flesh, thick, and of excellent quality.

Hales Best No. 45—86 Days—Mosaic Resistant. A good type of Hales, oval in shape. Medium large, thick flesh of dark orange color. Seed cavity very small.

Hearts of Gold (Hoodoo)—90 Days. An orange fleshed, medium sized, almost round shaped, good shipping variety. Fine netting extending over the whole surface. A fine highly colored melon.

Hearts of Gold No. 10 (Morrill's Strain)—90 Days. This is a very superior strain selected from the famous Hearts of Gold. The cavity is very small with a deep salmon flesh. Well netted and slightly ribbed.

Honey Rock (Sugar Rock)—93 Days. Orange fleshed, heavily netted, midseason variety. Globular fruits 5½ x 6½ inches, with small cavity. Flesh is sweet, juicy and pleasantly aromatic.

Osage (Miller's Cream)—92 Days. Fruit medium size, oval, slightly ribbed, small cavity, dark green in color, covered with a shallow netting. Flesh deep salmon color.

Pollock No. 10-25—95 Days. The fruit is quite round, heavily netted, no ribs, small cavity, excellent flavor. Identical to Rocky Ford except the flesh is salmon tinted. This variety has a reputation of being rust-resistant.

PRIDE OF WISCONSIN—95 DAYS. A new introduction in great demand in Pennsylvania and Maryland. Well ribbed and netted, with small cavity and thin rind. Splendid golden color and very palatable.

Rocky Ford Gold Lined—90 Days. One of the sweetest of the green-fleshed melons of the Rocky Ford type. Oval in shape; heavy, greyish netting. Seed cavity small, flesh thick and firm with a distinct gold lining beneath the outside covering.

Surprise (Tip-Top)—95 Days. Very productive, medium size. Fruit nearly round although sometimes a little flat. Color grayish green, deep ribbed, and very little if any netting. Flesh deep salmon color, sweet and of such exquisite flavor that it has put this sort in high favor with the melon specialist.

Green Fleshed Varieties

Honey Dew—110 Days. Fruits round to oval, with smooth, nearly white skin, green flesh. Flesh thick, light emerald green when first picked, creamy yellow after stored several days. It is best five or ten days after picking, when the flesh becomes creamy yellow. If picked when slightly green and put in a cool place it will keep from five to six weeks. This is the very popular melon served in the late autumn after all other Canteloupes are over.

Large Hackensack (Turk's Cap)—94 Days. Large fruit, flattened at the poles, flesh green. A great favorite with the family gardeners. Its large size, however, is against it with Market Gardeners.

Schoons Hard Shell—90 Days. A new and excellently flavored melon, similar to Benders Surprise in shape and general appearance. It is especially valuable for its extra-hard shell, which makes it desirable for shipping purposes. Also, it will stand in the field or market better than most varieties. Ribs are deep, with yellow skin well netted. Weighs from 5 to 8 pounds.

Rocky Ford (Netted Gem)—95 Days. Flesh light green with gold tinge in center. Fruit nearly round, small cavity. Netted with gray all over, free from ribs. It varies in type and thickness of skin, according to selection. Is a medium early sort with practically no ribs and intense netting.

Landreth's Watermelon

Native of Central Africa. One ounce will plant about 30 hills; use 4 pounds per acre. Plant 6 to 8 seeds in a hill and the hills should be 7 or 8 feet apart in each direction. Cover the seed $\frac{1}{2}$ inch. Plant when the weather is warm (which in some sections is when the walnut tree is in bloom). Watermelons do best in rich, sandy soil on sod, or well prepared ground by plowing down a crop of Winter Wheat or Rye, the sod or grain aerating or keeping loose the soil. Two large shovelfuls of well-rotted stable manure dug and trampled into each hill and covered with earth will help wonderfully. It is wise to reserve some seed for replanting in case of destruction to the plants by insect depredation or beating rains. Landreth's seed is grown especially for seed from mature melons and is not a by-product of some melon grower.

Citron, Red-Seeded—90 Days. Seeds red and small. A round, small, light and dark green striped melon. Used for preserving only.



Florida Favorite Watermelons

Dixie Queen (White Seeded Cuban Queen)—85 Days. A particularly shy seeder with a vigorous, productive vine. The rind is tough, making it a fairly good shipper. The color of the melons is very light green with finely veined and darker green irregular striping. Shape round, slightly elongated from stem to bud. Flesh solid, brilliant red to within half an inch of outer rind. Quality unexcelled. Fine sugary flavor. Must be well fertilized to produce perfect melons as it is a very prolific bearer. Some specimens weigh over 60 lbs. Average weight 30 to 40 pounds.

Dude Creek—92 Days. Seed medium large, white, with touch of brown on each side. Fruit large, long, cylindrical with blunt end, weighing 40 to 50 pounds. Thin rind, white with dark green irregular stripes. Flesh bright red, solid, fine texture, very sweet.

Early Kansas—80 Days. Seed reddish brown. Used extensively in the middle West and especially in Oklahoma. Attractive in appearance. Vigorous grower, productive, flesh bright red, skin light green with wavy stripes, shape nearly round. A good shipper and melons occasionally weigh 60 lbs.

Florida Favorite—85 Days. A vigorous, very productive vine, producing large, long fruits which are dark green in color, with irregular mottled striping of a lighter shade. Flesh very sweet, deep red in color and of excellent quality. Rind is thin but stands up well. Seed white. 16 x 10 inches.

Florida Giant—88 Days. The largest and the best of the so-called round type. Dark green skin, flesh deep, bright red. Very fine quality and flavor.

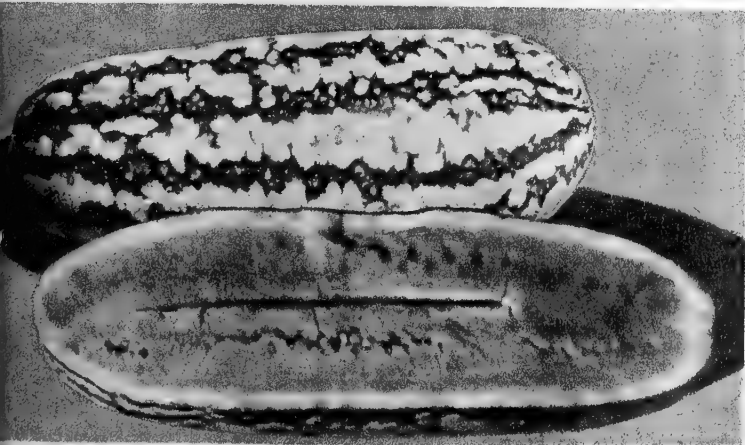
Georgia Rattlesnake (Augusta)—85 Days. Seed creamy white, with black tips. A long, large, Southern standby. Bright yellowish green melon with irregular stripes of very dark green, mottled with a medium green. Flesh bright scarlet. 18 x 12 inches.

Garrison—90 Days. White seed. Fruit large, long, cylindrical, weighing as high as 50 pounds. Specimens have been grown to 75 pounds. A splendid new variety, hard, thin rind, white in color with green irregular stripes. Flesh is very sweet, bright red, very flavorful.

Halbert's Honey—88 Days. Seed creamy white, with brown tips. Similar to Kleckley Sweet. About 20 inches long, oblong, almost equally round at each end, rind dark green. Sweet and unsurpassed. A fine, long, cylindrical Melon for home use.

Hawkesbury Wilt Resistant—85 Days. Oblong melon, ends slightly tapered. Rind coloring light gray with fine green veining. Flesh bright reddish pink. Qualifies for home use and shipping.

Irish Grey—90 Days. Color of seed all creamy white. Popular as a shipper. Fruit long, oval, light grey color outside. Flesh bright red, free from hard centers. 17 x 10 inches.



Watermelon Garrison

Kleckley Sweet or Monte Cristo—85 Days. Seed creamy white. One of the most sought after melons. Fruit oblong, about 20 inches in length. Rind thin, and always a very dark green. Early to ripen. Flesh scarlet, sugary and crisp. This melon, by reason of its rind, is not as well adapted for shipping as for home consumption.

Leesburg Wilt Resistant—85 Days. Kleckley Sweet type. Long, dark green, uniform and excellent shipper.

Stone Mountain (Dixie Bell)—90 Days. Seed white with black or dark brown marking. Soil makes a great difference in marking. One of the largest melons in cultivation. It is early for its large size, almost round, dark green rind, with a slightly irregular darker veining, slightly flattened on the ends. Solid scarlet flesh. It is a shy seeder. This is a fine melon for home and nearby trade. It is sweet, tender, and juicy. Too large and tender for distant shipping. Undoubtedly the most popular Melon on the market.

Tom Watson—90 Days. Brown, white spotted seed. An even, oblong, dark green melon, finely marked all over with a darker green tracery than Kleckley Sweet and slightly longer. Flesh deep red, fine flavor, no core. Often weighs 50 to 60 pounds. A good shipping type.



Wonder (Improved Kleckley Sweet)—85 Days. In color it is like Kleckley Sweet. In shape it is long, weighing sometimes up to 50 pounds. The color of the seed is white and the flesh deep red. The texture is fine and the flavor is very superior. In reality it is an improved Kleckley Sweet. Excellent for Home and Market Garden. Not adapted to shipping long distances as its skin is too tender. 17 x 10 inches.

Landreth's Okra or Gumbo

*Okra—Landreth's
Dwarf Stalked
Long Green Pod*

Two ounces will plant 100 feet; eight lbs. per acre. When ground is sufficiently warm sow in rows 3 ft. apart, covering seed $\frac{3}{4}$ inch deep. Okra is used in soups and stews. Very popular in the South.

Landreth's Dwarf Stalked Long Green Pod—50 Days. Although growing only 3 feet high this is a very strong, vigorous, productive grower, sending out many branches. Leaves and pods are dark green. Pods 5 to 7 inches long. Slender, corrugated, tender and of unsurpassed quality.

Perkins Mammoth Pod—60 Days. Enormous pods. Plants from 4 to 5 feet, producing 20 to 30 pods, 7-8" long. Of a beautiful, deep green color thin, slightly ridged, pointed and tender.

White Velvet—60 Days. Height of stalk about $3\frac{1}{2}$ feet, pods greenish white, unusually long, perfectly smooth.



Southport Red Globe

Landreth's Onions

One ounce will sow 150 feet of row; 5 lbs. per acre for large onions. Rows should be about 15 inches apart. The soil should be rich and well drained. Sow in the early spring, covering $\frac{1}{4}$ inch deep. When large enough thin out to allow plenty of room for the bulbs. To produce sets, sow 60 to 80 lbs. per acre. Large onions can be obtained from seed as well as sets.

Red Varieties

Red Wethersfield—110 Days. The standard red variety listed by us for over 100 years. Popular in the East, where large crops have been grown many years for shipment. Bulbs are broad and flat. Flesh light purplish red. Excellent keeper. Seed used for growing Onion Sets or large Onions.

Southport Red Globe—130 Days. A very desirable main crop, purplish red, globe shape with an oblong tendency, with smooth glossy surface. A large producer and an excellent shipper and keeper. The most showy because of its bright color.

White Varieties

Crystal White Wax (White Bermuda)—93 Days. Bulbs crystal white, flat, mild and sweet. Suitable for early shipping from the South.

Southport White Globe—110 Days. A showy, mild flavored, large, pure White Globe variety. Very solid, producing, a good keeper and possibly the best for sets of all White sorts. Unsurpassed in uniformity. Absolutely pure white.

Sweet Spanish White—110 Days. A beautiful pure white onion. Mild flavor. Same as Riverside Sweet, except the color.

White Portugal (Silverskin)—100 Days. A mild, pleasant flavored, white, flat variety, admirable for family use. Used almost exclusively to produce White Sets. Not so good a keeper as the Yellow or Red varieties. Bulb medium size. Mild flavor. Listed by us first in our 1832 catalog.

Yellow Varieties

Ebenezer—100 Days. Bulbs deep flat of medium size, dark pure yellow, very firm and hard. Popular at present for growing sets. It is a vigorous grower. Heavier yielder than Strasburg.

Golden Globe (Bottle Neck)—110 Days. Used for growing globe shape Sets, having excellent keeping qualities and very productive. Bulbs are oblong or bottle neck in shape, golden yellow, hard and firm. Desirable either for market or storage.



Southport White Globe

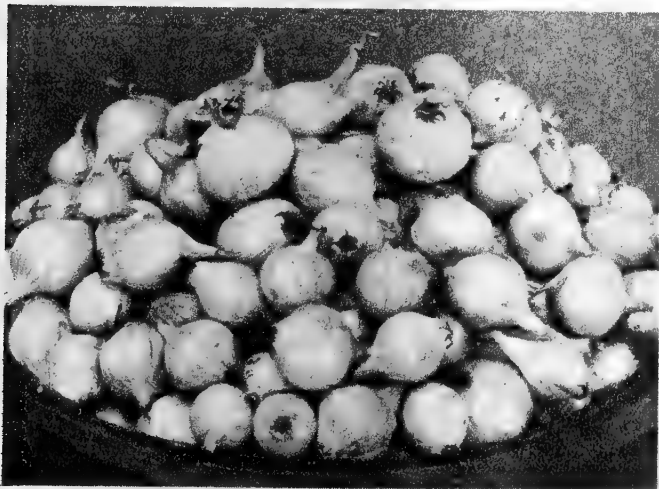
Prizetaker—100 Days. Mammoth Yellow Globe derived from the huge Spanish Onion. Very early. Does well in light sandy soil. Very large producer, fifteen days earlier than the celebrated Southport Yellow Globe. A variety which will succeed under conditions where other sorts fail. It makes a solid slightly oval, round bulb. Produces much better Onions from seed in Pennsylvania, Maryland, Delaware and New Jersey than the Southports.

Southport Yellow Globe—115 Days. A standard American variety. Hardy and productive.

Sweet Spanish—98 Days. Globe shape, bright golden yellow. Mild, delicate flavor. Small neck, similar to Prizetaker.

Yellow Bermuda—88 Days. This flat, mild flavored variety is very light straw colored. The most popular of the Bermuda varieties.

Yellow Globe Danvers—110 Days. An oval shaped, straw-colored, long keeping variety. The bulbs are roundish, of good thickness, and keep extremely well. A popular Onion in every section.



Onion Sets

Landreth's Onion Sets

One pound of sets will plant 75 feet of row; 10 to 15 bushels per acre. All our sets are grown in the sections most suitable for perfect development. Extreme care is used in cleaning, sizing, and packaging at time of shipment. We have specialized in the production of the finest type of sets over a long period of years. Our varieties include Bottle, White, Red, Yellow and Ebenezer.

Egyptian Top Onion Sets—28 lbs. per bushel. For planting in the Fall for very early Spring Green Onions. Raised at our Bloomsdale Farm.

Another Landreth first! The first trial grounds ever established in America for the testing of seed stock. This was done in 1800 by David Landreth, founder of our company.

Landreth's Parsley

One ounce will sow 250 ft. of row; 5 lbs. per acre. Sow in shallow drills in the early Spring in rows 12"—18" apart and $\frac{1}{4}$ " deep. Thin plants to 8 inches apart. Soaking seed in lukewarm water a few hours before planting aids germination. Parsley normally is very slow to germinate.

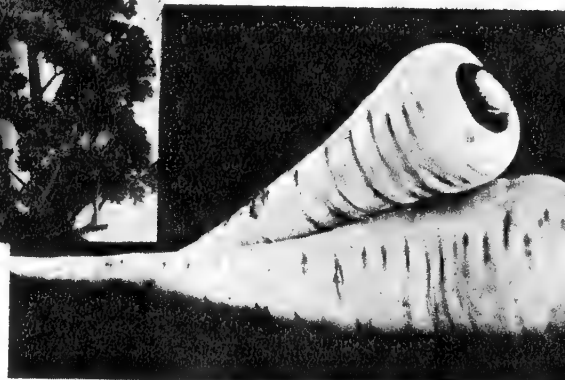
CHAMPION MOSS CURLED OR TRIPLE CURLED—70 DAYS. This is a vigorous growing, compact, productive sort. The leaves are dark green in color, finely cut and so thickly curled that a plant resembles a bunch of moss. Most desirable sort for garnishing and decorating.

Hamburg Parsnip Rooted—90 Days. This variety is raised for its roots. Although the leaves are similar to the Plain Parsley, they are not recommended for garnishing, owing to the long period of growth before coming to maturity. The roots can be used for flavoring soup and stews when fresh, or can be stored like other roots and used for Winter.

Plain (Single)—60 Days. Used as a pot herb. Leaves dark, flat and plain. Not curled but deeply cut, resembling Hamburg in appearance. More aromatic than the Curled varieties.



*Parsley—
Champion Moss Curled*



Parsnips—Bloomsdale Select

Landreth's Parsnips

An ounce of seed will sow 200 ft. of row; 3 lbs. per acre. Sow seed in rows two to three ft. apart, later thin to 4" in the row. The roots may be left in the ground all winter. Best results are obtained by loosening the soil to a depth of 10". Sow before May 15th as Parsnips need a long season to mature.

Bloomsdale Select—This is an unusually fine strain with deeply hollowed crown, clean, smooth white skin, free from side roots. A good length and excellent flavor.

The seed we offer is grown from carefully selected transplanted roots. We do not hesitate to recommend this stock to the most critical grower. Highly recommended to Market Growers.

Hollow Crown, Student, Sugar or Cup, Guernsey—95 Days. A standard variety, 14 to 16 inches long. Hollow crowned. Three inches thick. Smooth tapering root.



Peas—Laxton Progress

Landreth's Peas

1½ lbs. will plant 100 feet of row; 120 to 180 lbs. per acre. It is well to plant the dwarf varieties in double rows about 7 inches apart and then allow 1½ to 2½ feet until the next companion rows. The tall varieties are planted in single rows about 3 feet apart or a little less than their respective height of the vines. Tall varieties are best grown on brush or the like, when planted in a garden. The smooth seeded varieties are the earlier sorts and should be planted first, and the wrinkled kinds a little later. Peas are planted about 2 inches deep. They should be planted in the Spring as soon as the ground can be worked.

Early Varieties

Alaska Wilt Resistant—56 Days. A green seeded, smooth, extra early. Vine 30 to 36 inches tall. Slender light green foliage, pods 2½ to 3 inches long, blunt, containing 5 to 8 blue-green, small, slightly pitted to smooth seeds. One of the best extra early Peas in the market, a great favorite with canners, because a good stock of this variety matures all its pods at once.

Ameer (Long Pod Alaska or Bountiful)—62 Days. Seed large and green, resembling Alaskas, but one-third larger. An extra-early Pea of fine quality. Height of vine about 30 to 36". Peas ripen uniformly with pods pointed, somewhat curved and 3½" long, containing 7 or 8 Peas. An excellent Pea, of the Telephone type, for market as well as home gardens. Fine eating quality.

AMERICAN WONDER—60 DAYS. Dry seed, green, wrinkled. One of the earliest of the wrinkled sorts. Pods of striking form, 2½ to 3 inches long, containing 5 to 8 tender sweet flavored Peas. Vine 10 to 14 inches high, dark green, fairly coarse. Very prolific.

Blue Bantam or Peter Pan—65 Days. Laxtonian type, large podded, dwarf variety, vine vigorous, height 16 inches.

First and Best or Morning Star—58 Days. A creamy white seeded extra early. Very fine flavor. Height of vine 30 to 36 inches. Pods blunt, single 2½ to 2¾ inches long.

Gradus or Prosperity—62 Days. Seed very large, of splendid quality, green cream color. An extra early, large, single podded, wrinkled variety. Pods about 4½ inches long, pointed, as large as Telephone, showy, same shape as Telephone. Height about 3 to 3½ feet. Vine similar in appearance to Telephone, but more yellowish.

Hundredfold—65 Days. Dry seed is green, flat-tish and wrinkled. An excellent Laxtonian type. Vine, 18 inches high. Vigorous, dark green, very productive. Pods single, dark green, 4 inches long, containing 8 large dark green Peas.

Landreth's Extra Early—56 Days. A critical gardener wants the best strain in so far as earliness, size of pods, flavor, uniformity of ripening, vigor and habit of the plant are concerned. All these desirable qualities can be obtained in the strain sold as Landreth's Extra Early. The best very early table Pea on the market. This Pea was introduced and named by the Landreths in 1823, and is the only Pea then used which has stood the test for over 100 years. Height of vine 2½ to 3 feet. Pods 2½ to 2¾ inches long, blunt, containing 5, 6, or 7 medium sized smooth to pitted Peas of excellent quality.

Laxton's Superb (Early Bird)—60 Days. Hardy, productive, the earliest, large podded variety, 18 to 20 inches tall. Can be planted very early in the Spring as the Peas are almost smooth, round, green and will withstand the cold, wet weather. A superior quality for an early, large podded Pea, containing 9 or 10 Peas. Pods single, dark green, 4 inches in length and pointed as is Laxtonian.

Laxton's Progress—64 Days. Dry seed is creamy yellowish green and wrinkled. A good sort for both home and market gardening. The largest podded of this family. Most attractive. Vines dark green, medium coarse, growing 18 inches tall. Pods borne singly, 4 inches long, pointed, slightly curved, well filled with 7 to 9 large green wrinkled Peas.

Little Marvel—64 Days. Seed large, green, wrinkled. Vine strong, dark green, vigorous, about 18 inches tall. Showy pods about 3 to 3½ inches long with a blunt end containing 7 or 8 Peas. A very fine, productive, dwarf, sturdy variety. Popular with the home gardener.



Peas—Telephone

LAXTONIAN—62 DAYS. Height of vine about 18 inches. Foliage dark green. Pods dark green, single and broad, slightly curved, pointed, about 4 inches long, resembling Telephone. Anyone who wishes a dwarf vine, large podded, dark green pod will not go amiss by planting this variety.

D. Landreth Seed Company Seed Growers

P. O. Box 806, Philadelphia 5, Pa.
Bloomsdale Farm: Bristol, Pa.
Growing Stations: Kimberly, Idaho;
Salinas and Lompoc, California

D. Landreth Seed Co.

Philadelphia, Pa.

1947 RETAIL SEED PRICES

(subject market changes)

Considering the quality offered, we believe these prices very reasonable. Please ask for prices on larger quantities. Packets of all varieties 10¢ unless otherwise noted.

ASPARAGUS SEEDS AND ROOTS		Oz.	¼ lb.
Mary Washington—Seed		\$.20	\$.55
Mary Washington—Roots 2 yr. old			
Postpaid: 50 Roots \$1.75;			
100 Roots \$3.00			
Not Prepaid: 100 Roots \$2.50;			
1000 Roots \$18.00			

BUSH BEANS—GREEN PODS

	½ lb.	1 lb.	2 lb.	5 lb.
Black Valentine Stringless	\$.25	\$.40	\$.75	\$1.75
Bountiful .....	.25	.40	.75	1.75
Broad Windsor (Fava) .....	.25	.40	.75	1.75
Dwarf Horticultural .....	.25	.40	.75	1.75
Fairmount .....	.25	.40	.75	1.75
Full Measure .....	.25	.40	.75	1.75
French Horticultural .....	.25	.40	.75	1.75
Giant Stringless .....	.25	.40	.75	1.75
Landreth Keystoneian .....	.25	.40	.75	1.75
Landreth Stringless Green				
Pod .....	.25	.40	.75	1.75
Landreth Stringless Red				
Valentine .....	.25	.40	.75	1.75
Lows Champion .....	.25	.40	.75	1.75
Plentiful .....	.25	.40	.75	1.75
Refugee Stringless .....	.25	.40	.75	1.75
Shippo Green Pod .....	.25	.40	.75	1.75
Streamliner .....	.25	.45	.85	1.85
Tendergreen .....	.25	.45	.85	1.85
Tennessee Green Pod .....	.25	.40	.75	1.75

SHELL BEANS

	½ lb.	1 lb.	2 lb.	5 lb.
Navy or Boston Pea	\$.20	\$.35	\$.65	\$1.50
Red Kidney .....	.20	.35	.65	1.50
Trout .....	.20	.35	.65	1.50
Vermont Cranberry .....	.20	.35	.65	1.50
White Kidney .....	.20	.35	.65	1.50
White Marrow .....	.20	.35	.65	1.50
Yellow Eye .....	.20	.35	.65	1.50

LANDRETH'S BUSH BEANS, WAX PODDED

	½ lb.	1 lb.	2 lb.	5 lb.
Davis Kidney Wax				
Stringless	\$.30	\$.50	\$.90	\$2.00
Landreth Top Notch Golden	.30	.50	.90	2.00
Pencil Pod Black Wax .....	.25	.45	.85	1.85
Round Pod Kidney Wax .....	.30	.50	.90	2.00
Sure Crop Black Wax .....	.25	.45	.85	1.85
Unrivalled Wax .....	.25	.45	.85	1.85

LANDRETH'S EDIBLE SOY BEANS

	½ lb.	1 lb.	2 lb.	5 lb.
Bansei	\$.20	\$.35	\$.65	\$1.50

LANDRETH'S BUSH LIMA BEANS

	½ lb.	1 lb.	2 lb.	5 lb.
Burpee's Bush	\$.25	\$.40	\$.75	\$1.75
Cangreen .....	.25	.45	.85	1.85
Fordhook Bush .....	.25	.45	.85	1.85
Fordhook Bush No. 242 .....	.30	.50	.90	2.00
Henderson Bush .....	.20	.35	.65	1.50
Improved Bush .....	.25	.45	.85	1.85
Jackson Wonder Bush .....	.20	.35	.65	1.50
Wood's Prolific Bush .....	.20	.35	.65	1.50

LANDRETH'S POLE LIMA BEANS

	½ lb.	1 lb.	2 lb.	5 lb.
California Cream Butter	\$.25	\$.40	\$.75	\$1.75
Carolina or Sieva .....	.20	.35	.65	1.50
Challenger Improved .....	.25	.45	.85	1.85
Florida Speckled Butter .....	.20	.35	.65	1.50
Giant Podded Pole .....	.25	.40	.75	1.75
King of the Garden .....	.25	.40	.75	1.75
Large Speckled Pole .....	.25	.45	.85	1.85
Landreth Large Green				
Seeded .....	.25	.45	.85	1.85

LANDRETH'S POLE BEANS

	½ lb.	1 lb.	2 lb.	5 lb.
Blue Lake	\$.25	\$.40	\$.75	\$1.75
Golden Cluster Wax .....	.30	.50	.90	2.00
Horticultural (London) .....	.25	.40	.75	1.75
Mammoth Podded				
Horticultural .....	.25	.40	.75	1.75
Ideal Market .....	.25	.40	.75	1.75
Kentucky Wonder (Old				
Homestead) .....	.25	.40	.75	1.75
Kentucky Wonder Wax .....	.25	.45	.85	1.85
Kentucky Wonder White				
Seed .....	.25	.40	.75	1.75
Lazy Wife .....	.25	.40	.75	1.75
McCaslan Pole .....	.25	.40	.75	1.75
Missouri Wonder .....	.25	.40	.75	1.75
Red Speckled Cut Short .....	.25	.40	.75	1.75
Scarlet Runner .....	.25	.40	.75	1.75
Striped Creaseback .....	.25	.40	.75	1.75
Tennessee Wonder				
(Landreth) .....	.25	.40	.75	1.75
White Creaseback .....	.25	.40	.75	1.75

BEET

	Oz.	¼ lb.
Crimson Globe	\$.15	\$.50
Crosby's Egyptian .....	.15	.50
Detroit Dark Red .....	.15	.50
Detroit Perfected .....	.20	.60
Early Blood Turnip .....	.20	.60
Early Wonder .....	.15	.50
Early Wonder Green Top .....	.15	.50
Eclipse, Extra Early .....	.15	.50
Extra Early Egyptian .....	.15	.50
Green Top Bunching .....	.15	.50
Landreth's Best .....	.20	.60
Lentz Early .....	.15	.50
Lutz's Green Leaf .....	.20	.60

BEET—MANGEL WURZEL

	Oz.	¼ lb.
Giant Half Rose	\$.15	\$.45
Golden Tankard .....	.15	.45
Mammoth Long Red .....	.15	.45
Sludstrup .....	.15	.45

BEET—SUGAR

	Oz.	¼ lb.
Klein Wanzleben	\$.15	\$.45

LANDRETH'S SWISS CHARD

	Oz.	¼ lb.
Fordhook Giant	\$.15	\$.45
Large Ribbed, Dark Green .....	.15	.45
Lucullus .....	.15	.45
Rhubard Chard .....	.25	.75
White Ribbed .....	.15	.45

➡ ALL PACKETS 10c UNLESS OTHERWISE NOTED

THERE IS ONLY ONE D. LANDRETH SEED CO.

LANDRETH'S LAWN GRASS MIXTURES

	1/2 lb.	1 lb.	2 lb.	5 lb.	10 lb.	20 lb.
Superior Bent		\$1.25	\$2.40	\$5.50	\$10.50	\$20.50
Landreth's Never Die	\$.45	.85	1.65	3.65	6.75	13.00
Fairmount Park .....		.80	1.50	3.25	6.00	11.50
Evergreen .....		.75	1.40	3.00	5.50	10.50
New York Park .....		.70	1.30	2.75	5.00	9.50
Popular .....		.60	1.15	2.40	4.25	8.00
Fast Grow				1.75		
Shady Place .....	.50	.90	1.70	3.75	7.00	13.50
Special Shady .....		.80	1.50	3.25	6.00	11.50
Terrace or Embankment .....		.85	1.55	3.40	6.25	12.00
Cemetery .....		.90	1.70	3.75	7.00	13.50
Ladino Pasture Mixture					7.50	14.75
Easy Eagle					13.50	26.50
Landreth's Ruffwear					9.50	18.00
Landreth's Athletic Field					6.75	13.00
New Jersey State Formulas						

Ask for Prices

Oz.	1/4 lb.	1/2 lb.	1 lb.
\$.15	\$.45	\$.75	\$ 1.40

Pure White Dutch Clover

INDIVIDUAL GRASSES, CLOVERS, ETC. AT MARKET PRICES

BROCCOLI	Oz.	1/4 lb.
Calabrese (Ital. Green Type)	\$.35	\$ 1.00
Raab, Spring .....	.20	.65

BRUSSEL SPROUTS	Oz.
Long Island Improved	\$.60

LANDRETH'S CABBAGE	Oz.	1/4 lb.
All Head Early	\$.30	\$.90
All Seasons .....	.30	.90
Bloodsdales Large Late Drumhead .....	.35	1.00
Bloodsdales Large Late Flat Dutch .....	.35	1.00
Charleston or Large Wakefield .....	.30	.90
Charleston Extra Select Wakefield .....	.35	1.00
Copenhagen Market .....	.35	1.00
Copenhagen Market, Market		
Gardener's Strain .....	.40	1.25
Danish Round Head Short Stem .....	.40	1.25
Drumhead Savoy .....	.40	1.25
Early Dwarf Flat Dutch .....	.35	1.00
Early Jersey Wakefield .....	.30	.90
Select Jersey Wakefield .....	.35	1.00
Ferry's Round Dutch .....	.40	1.25
Glory of Enkhuizen .....	.30	.90
Golden Acre Yellows Resistant .....	.50	1.75
Golden Acre .....	.35	1.00
Green Acre .....	.40	1.25
Marion Market Yellows Resistant .....	.50	1.75
Penn State Ball Head .....	.50	1.50
Premium Late Drumhead .....	.30	.90
Premium Late Flat Dutch .....	.30	.90
Red Dutch (Red Rock) .....	.50	1.50
Stein's Early Flat Dutch .....	.30	.90
Succession .....	.40	1.25
Surehead .....	.30	.90
Wisconsin Hollander No. 8 Yellows		
Resistant .....	.50	1.75
Wisconsin All Seasons Yellows		
Resistant .....	.50	1.75

CHINESE OR CELERY CABBAGE	Oz.	1/4 lb.
Chihill	\$.25	\$.75
Pe Tsai .....	.25	.75
Wong Bok .....	.25	.75

LANDRETH'S CARROT	Oz.	1/4 lb.
Chantenay Half Long	\$.25	\$.75
Chantenay Long Type .....	.25	.75
Chantenay Red Cored .....	.25	.75
Danvers Half Long .....	.25	.75
Danvers Red Cored .....	.25	.75
Hutchinson .....	.25	.75
Imperator .....	.30	.90

LANDRETH'S CARROT—Continued	Oz.	1/4 lb.
Long Orange	\$.25	\$.75
Morse's Bunching .....	.30	.90
Nantes .....	.30	.90
Oxheart .....	.25	.75
Scarlet Horn Blunt .....	.25	.75
Tendersweet .....	.25	.75

LANDRETH'S CAULIFLOWER	Pkt.	1/4 Oz.
Autumn Giant	\$.10	\$.75
Early Snowball .....	.15	1.00
Early Snowball Select .....	.20	1.25
Snowdrift .....	.20	1.25

LANDRETH'S COLLARDS	Oz.	1/4 lb.
Cabbage or Heading	\$.15	\$.40
Georgia (Southern or Creole) .....	.15	.35

CELERY	Oz.	1/4 lb.
Celeriac	\$.60	\$ 2.00
Easy Blanching .....	.75	2.50
Emperor (Fordhook) .....	.75	2.50
Giant Pascal .....	.75	2.50
Golden Plume (Wonderful) .....	.90	3.00
Golden Self Blanching .....	.90	3.00
Summer Pascal .....	.90	3.00
White Plume .....	.75	2.50

CHICORY	Oz.	1/4 lb.
Cicoria de Catalogne	\$.40	\$ 1.25
Large Rooted or Coffee .....	.40	1.25
Witloof (French Endive) .....	.40	1.25

LANDRETH'S SWEET CORN, HYBRID	1/2 lb.	1 lb.	2 lb.	5 lb.
C13 x C3	\$.35	\$.65	\$ 1.20	\$ 2.75
Carmelcross .....	.35	.65	1.20	2.75
Golden Cross Bantam .....	.35	.65	1.20	2.75
Ioana P 39 x 145 .....	.35	.65	1.20	2.75
Landreth's Special Hybrid				
Blend .....	.35	.65	1.20	2.75
Lee 39 x 27 .....	.35	.65	1.20	2.75
Lincoln 39 x 23 .....	.35	.65	1.20	2.75
Marcross 6.13 .....	.35	.65	1.20	2.75
Marcross P. 39 .....	.35	.65	1.20	2.75
Narrow Grain 14 x 11 .....	.35	.65	1.20	2.75
Spancross .....	.35	.65	1.20	2.75
Tendergold P. 39 .....	.35	.65	1.20	2.75
Evergreen 14 x 13 .....	.40	.70	1.30	3.00
Whipcross P. 39 .....	.35	.65	1.25	2.75

LANDRETH'S GARDEN CORN FOR ROASTING EARS	1/2 lb.	1 lb.	2 lb.	5 lb.
Adam's Early (Ideal)	\$.20	\$.35	\$.65	\$ 1.50
Adam's Extra Early .....	.20	.35	.65	1.50
Truckers' Favorite .....	.20	.30	.55	1.25

➡ ALL PACKETS 10c UNLESS OTHERWISE NOTED

LANDRETH'S SWEET CORN**Open Pollinated—White Varieties**

	½ lb.	1 lb.	2 lb.	5 lb.
Black Mexican	\$.25	\$.40	\$.75	\$1.75
Country Gentleman .....	.25	.40	.75	1.75
Early Evergreen .....	.25	.40	.75	1.75
Howling Mob .....	.25	.40	.75	1.75
Kendel's Giant (Mammoth White Corey) .....	.25	.40	.75	1.75
Landreth Money Maker .....	.25	.45	.85	1.85
Long Island Beauty .....	.25	.40	.75	1.75
Narrow Grained Evergreen .....	.25	.40	.75	1.75
Stowell's Evergreen .....	.25	.40	.75	1.75
The Vanguard .....	.25	.40	.75	1.75
Whipple's White .....	.25	.40	.75	1.75
White Evergreen .....	.25	.40	.75	1.75

LANDRETH'S SWEET CORN**Open Pollinated (Yellow Varieties)**

	½ lb.	1 lb.	2 lb.	5 lb.
Bantam Evergreen (Golden)	\$.25	\$.40	\$.75	\$1.75
Barden's Wonder Bantam .....	.25	.40	.75	1.75
Golden Bantam 8 Row .....	.25	.40	.75	1.75
Gol. Bant. Imp. 10-14 Rows .....	.25	.40	.75	1.75
Golden Colonel .....	.25	.40	.75	1.75
Golden Early Market .....	.25	.40	.75	1.75
Golden Gem .....	.25	.40	.75	1.75
Golden Giant .....	.25	.40	.75	1.75
Golden Sunshine .....	.25	.40	.75	1.75
Whipple's Yellow .....	.25	.40	.75	1.75

POP CORN

	½ lb.	1 lb.	2 lb.	5 lb.
Hulless (Australian)	\$.25	\$.40	\$.70	\$1.60
Queen's Golden .....	.25	.40	.70	1.60
South American (Dynamite) .....	.25	.40	.70	1.60
White Rice .....	.25	.40	.70	1.60

FIELD CORN

7 lb. 14 lb.
(½ peck) (peck)

Bristol Early Yellow	\$.90	\$1.60
Canada Flint .....	.90	1.60
Eureka .....	.90	1.60
Golden Dent .....	.90	1.60
Lancaster County Surecrop .....	.90	1.60
Leaming .....	.90	1.60
Golden Beauty .....	.90	1.60
Snowflake .....	.90	1.60
U. S. No. 13 Hybrid (Cert.)	1.40	2.50
West Branch Sweepstakes .....	.90	1.60
Yellow Sweepstakes .....	.90	1.60

CRESS

Upland	Oz.	\$4.40
--------------	-----	--------

DANDELION

Improved Thick-Leaved	Oz.	\$.75
French Garden .....		.60

CUCUMBER—Slicing Varieties

	Oz.	¼ lb.
A. & C. (Colorado)	\$.35	\$1.00
Arlington White Spine .....	.30	.90
Black Diamond .....	.30	.90
Cool & Crisp .....	.30	.90
Cubit (1944 All American Selection) .....	.40	1.25
Davis Perfect .....	.30	.90
Early Fortune .....	.30	.90
Kirby, Original Strain .....	.30	.90
Kirby, Special Long Strain .....	.35	1.00
Long Green, Improved .....	.30	.90
Longfellow .....	.35	1.00
Marketer .....	.40	1.25
Straight Eight .....	.35	1.00
White Wonder .....	.30	.90

CUCUMBER—Pickling Varieties

	Oz.	¼ lb.
Boston Pickling	\$.30	\$.90
Chicago Pickling .....	.30	.90

CUCUMBER—Continued

	Oz.	¼ lb.
Early Cluster	\$.30	\$.90
Jersey Pickling .....	.30	.90
National Pickling .....	.30	.90
Short Prolific (Green Prolific) .....	.30	.90
Snow's Perfection Pickling .....	.30	.90
West Indian Gherkin .....	.35	1.00

LANDRETH'S EGGPLANT

	Oz.	¼ lb.
Black Beauty	\$.75	\$2.50
Florida High Bush .....	.75	2.50
New Orleans Market .....	.75	2.50
Fort Myers Market .....	.75	2.50
Land. Large Round Purple .....	.75	2.50
New York, Improved .....	.75	2.50

LANDRETH'S ENDIVE

	Oz.	¼ lb.
Broad Leaved Batavian (Escarolle) ..	\$.20	\$.65
Full Heart Batavian (True Heart) ..	.20	.65
Green Curled .....	.20	.65
White Curled .....	.20	.65

HERBS

	Pkt.
Anise	\$.10
Borage .....	.10
Coriander .....	.10
Dill, Mammoth .....	.10
Florence Fennel .....	.10
Sage .....	.10
Sweet Basil .....	.10
Sweet Marjoram .....	.10

LANDRETH'S KALE OR BORECOLE

	Oz.	¼ lb.
Bloomsdale Double Extra Curled	\$.25	\$.75
Dwarf Blue Scotch .....	.25	.75
Dwarf Green Curled Scotch .....	.25	.75
Siberian .....	.20	.60

LANDRETH'S KOHL RABI

	Oz.	¼ lb.
Purple Vienna	\$.45	\$1.50
White Vienna .....	.45	1.50

LANDRETH'S LEEK

	Oz.	¼ lb.
Giant Musselburgh	\$.50	\$1.50

LANDRETH'S LETTUCE—Heading Varieties

	Oz.	¼ lb.
Big Boston	\$.30	\$1.00
California Cream Butter .....	.30	1.00
Celtuce .....	.50	1.50
Cosberg .....	.40	1.25
Crisp As Ice .....	.50	1.50
Great Lakes .....	.65	2.25
Hanson .....	.30	1.00
Iceberg .....	.30	1.00
Imperial No. 44 .....	.35	1.10
Imperial No. 456 .....	.65	2.25
Imperial No. 847 .....	.35	1.10
May King .....	.30	1.00
Mignonette .....	.35	1.10
N. Y. (Wonderful Los Angeles) .....	.35	1.10
New York No. 12 .....	.35	1.10
Salamander .....	.30	1.10
Simon's Cabbage Head .....	.30	1.10
Simon's Cabbage Head Select Stock ..	.30	1.10
White Boston .....	.30	1.10

LOOSE LEAVED VARIETIES

	Oz.	¼ lb.
Black Seeded Simpson	\$.20	\$.65
Early Curled Silesia .....	.20	.65
Grand Rapids .....	.20	.65
Oak Leaf .....	.40	1.25
Prize Head .....	.20	.65

COS OR ROMAINE VARIETIES

	Oz.	¼ lb.
Dark Green Cos	\$.20	\$.65
Paris White Cos .....	.20	.65

➡ **ALL PACKETS 10c UNLESS OTHERWISE NOTED**

PICTURES AND CULTURAL NOTES ON EVERY PACKET

LANDRETH'S MUSTARD

	Oz.	¼ lb.
Bloodsdaile Large Leaved	\$.15	\$.45
Chinese, Broad Leaved .....	.15	.40
Florida, Broad Leaved .....	.15	.40
Giant Southern Curled .....	.15	.40
Mustard Spinach (Tendergreen) .....	.15	.45
Ostrich Plume (Fordhook Fancy) .....	.15	.45

MUSKMELON—CANTALOUPE

Pink and Orange Fleshed Varieties	Oz.	¼ lb.
Banana .....	.30	.90
Bender's Surprise .....	.30	.90
Defender (Burrell's Gem) .....	.30	.90
Emerald Gem .....	.25	.80
Edward's Perfecto .....	.30	.90
Fordhook .....	.25	.80
Hales Best No. 36 .....	.25	.80
Hales Best Jumbo .....	.30	.90
Hales Best No. 45 Mosaic Resistant ..	.25	.80
Hearts of Gold (Hoodoo) .....	.30	.90
Hearts of Gold No. 10, Morrill's Strain	.30	.90
Honey Rock (Sugar Rock) .....	.30	.90
Lake Champlain .....	.25	.80
Osage (Miller's Cream) .....	.25	.80
Pollock 10-25 .....	.25	.80
Pride of Wisconsin .....	.30	.90
Rocky Ford Gold Lined .....	.30	.90
Schoon's Hard Shell .....	.30	.90
Surprise (Tip Top) .....	.30	.90

Green Fleshed Varieties

	Oz.	¼ lb.
Bottomly	\$.25	\$.80
Extra Early Hackensack .....	.25	.80
Honey Dew .....	.25	.80
Large Hackensack (Turk's Cap) .....	.25	.80
Rocky Ford .....	.25	.80

WATERMELON

	Oz.	¼ lb.
Dixie Queen (Cuban Queen White Seed)	\$.35	\$ 1.00
Dude Creek .....	.30	.90
Early Kansas .....	.20	.60
Excel, Light .....	.20	.60
Excel, Dark .....	.20	.60
Florida Favorite .....	.15	.50
Florida Giant (Cannon Ball) .....	.30	.90
Garrison .....	.30	.90
Georgia Rattlesnake (Augusta) .....	.15	.50
Halbert's Honey .....	.15	.50
Harris Early .....	.15	.50
Hawkesbury .....	.25	.75
Irish Grey .....	.20	.60
Kleckley Sweet .....	.15	.50
Leesburg Wilt Resistant .....	.25	.75
Peerless .....	.15	.50
Preserving Citron Red .....	.15	.50
Stone Mountain (Dixie Belle) .....	.20	.60
Tom Watson .....	.15	.50
Wonder (Improved Kleckley Sweet) ..	.15	.50

OKRA

	Oz.	¼ lb.
Clemson	\$.15	\$.40
Landreth Dwarf Stalked Long Green	.15	.40
Perkin's Mammoth Green Pod .....	.15	.40
White Velvet .....	.15	.40

LANDRETH'S ONIONS

	Oz.	¼ lb.
Bermuda White	\$.60	\$ 2.00
Crystal White Wax .....	.60	2.00
Early Red Globe .....	.45	1.40
Early Yellow Globe .....	.60	2.00
Ebenezer .....	.45	1.40
Golden Globe .....	.45	1.40
Prizetaker .....	.60	2.00
Red Wethersfield .....	.45	1.40
Southport Red Globe .....	.45	1.40
Southport White Globe .....	.60	2.00

LANDRETH'S ONIONS—Continued

	Oz.	¼ lb.
Southport Yellow Globe	\$.45	\$ 1.40
Southport Yellow Globe, Brigham Strain .....	.45	1.40
Sweet Spanish (Yellow) .....	.60	2.00
Sweet Spanish (White) .....	.60	2.00
White Portugal (Silverskin) .....	.60	2.00
Yellow Bermuda .....	.60	2.00
Yellow Globe Danvers .....	.45	1.40

ONION SETS

	1 lb.	4 lb.	8 lb.
Bottle, Yellow, True Penna... ..	\$.25	\$.85	\$ 1.25
Ebenezer, Yellow .....	.20	.75	1.15
Egyptian Top Sets (For Fall) .....	.25	.85	1.25
Red .....	.20	.75	1.15
White .....	.25	.85	1.25

LANDRETH'S PARSLEY

	Oz.	¼ lb.
Champion Moss Curled	\$.20	\$.60
Hamburg, Parsnip Rooted .....	.15	.50
Plain (Single) .....	.15	.50

LANDRETH'S PARSNIP

	Oz.	¼ lb.
All America	\$.20	\$.65
Bloodsdaile Select .....	.20	.65
Hollow Crowned .....	.20	.65

LANDRETH'S PEAS

Smooth Seeded Varieties	½ lb.	1 lb.	2 lb.	5 lb.
Alaska, Wilt Resistant	\$.20	\$.30	\$.55	\$ 1.25
Bountiful (Ameer) .....	.20	.30	.55	1.25
First and Best (Morning Star) .....	.20	.35	.65	1.50
Landreth Extra Early .....	.20	.35	.65	1.50
Laxton's Superb (Early Bird) .....	.20	.35	.65	1.50
White Marrow .....	.20	.35	.65	1.50

Wrinkled Varieties

	½ lb.	1 lb.	2 lb.	5 lb.
Alderman	\$.20	\$.35	\$.65	\$ 1.50
American Wonder .....	.20	.35	.65	1.50
Blue Bantam .....	.20	.35	.65	1.50
Champion of England ....	.20	.35	.65	1.50
Dwarf Telephone (Daisy) ..	.20	.35	.65	1.50
Everbearing .....	.20	.35	.65	1.50
Gradus .....	.20	.35	.65	1.50
Hundredfold .....	.20	.35	.65	1.50
Icer .....	.20	.35	.65	1.50
Laxtonian .....	.20	.35	.65	1.50
Laxton Progress .....	.20	.35	.65	1.50
Little Marvel .....	.20	.35	.65	1.50
Notts Excelsior .....	.20	.35	.65	1.50
Premium Gem .....	.20	.35	.65	1.50
Prince Edward .....	.20	.35	.65	1.50
Stratagem Improved (Potlatch) .....	.20	.35	.65	1.50
Sutton's Excelsior .....	.20	.35	.65	1.50
Telephone, Dark Podded ...	.20	.35	.65	1.50
Thomas Laxton .....	.20	.35	.65	1.50
World's Record .....	.25	.40	.75	1.75

Edible Pods or Sugar

	½ lb.	1 lb.	2 lb.	5 lb.
Dwarf Gray Sugar	\$.25	\$.40	\$.75	\$ 1.75
Dwarf White Sugar .....	.25	.40	.75	1.75
Mammoth Luscious Sugar ..	.25	.40	.75	1.75
Mammoth Melting Sugar ..	.25	.40	.75	1.75

LANDRETH'S PEPPERS

	Oz.	¼ lb.
Anaheim Chili	\$.60	\$ 2.00
Bull Nose Hot .....	.60	2.00
Bull Nose, Sweet .....	.60	2.00
California Wonder .....	.75	2.50
California Wonder, Extra Select .....	.80	2.75
Cheese .....	.80	2.75
Chinese Giant .....	.80	2.75
Cherry, Small .....	.60	2.00
Florida Giant .....	.75	2.50
Florida Giant Extra Select .....	.80	2.75

➡ ALL PACKETS 10c UNLESS OTHERWISE NOTED

VIGORO IS IDEAL FOR LAWNS — FLOWERS — VEGETABLES

LANDRETH'S PEPPERS—Continued			Oz.	¼ lb.
Golden Dawn (Bell or Queen)			\$.75	\$2.50
Harris Early Giant			.80	2.75
Hungarian Wax Sweet			.75	2.50
Hungarian Yellow Wax-Hot			.75	2.50
Long Red Cayenne			.60	2.00
Neapolitan			.75	2.50
Pimiento			.80	2.75
Red Chile (Small Cayenne)			.75	2.50
Ruby King			.60	2.00
Ruby King Extra Select			.75	2.50
Windsor A			.60	2.00
World Beater (Ruby Giant)			.60	2.00
World Beater Extra Select			.75	2.50
World Beater Mosaic Resistant			.60	2.00

LANDRETH'S POTATOES, Certified

Irish Cobbler, Green Mountain	
Katahdin Certified	Ask for Prices

LANDRETH'S PUMPKINS

	Oz.	¼ lb.
Connecticut Field	\$.20	\$.60
Kentucky Field	.15	.50
King of Mammoth	.25	.75
Landreth Cheese	.20	.60
Small Sugar (N. E. Pie)	.20	.60
Striped Cushaw	.20	.60
Tennessee Sweet Potato	.20	.60
Winter Luxury	.20	.60
Yellow (Golden) Cushaw	.20	.60

LANDRETH'S RAPE OR COLEWORT

	½ lb.	1 lb.
Dwarf Essex	\$.15	\$.25

LANDRETH'S RHUBARB OR PIE PLANT

	Oz.	¼ lb.
Linnaeus	\$.35	\$1.15
Victoria	.35	1.15

LANDRETH'S RADISHES

	Oz.	¼ lb.
Crimson Giant	\$.20	\$.55
Early Deep Scarlet Turnip	.20	.55
Early Scarlet Globe	.20	.60
French Breakfast	.20	.55
Phila. White Box	.20	.55
Saxa (Landreth 15-Day Scarlet)	.20	.60
Scarlet Turnip W. T. (Sparkler)	.20	.55

Long Rooted Varieties

	Oz.	¼ lb.
Chartier (Long Rose)	\$.20	\$.55
Cincinnati Market	.20	.55
Icicle, White	.20	.55
Long Scarlet Short Top	.20	.55
White Strasburg	.20	.55

Winter Varieties

	Oz.	¼ lb.
Celestial (Chinese White Winter)	\$.20	\$.60
Chinese Rose Winter (Scarlet China)	.20	.60
Long Black Spanish	.20	.60
Round Black Spanish	.20	.60

LANDRETH'S SALSIFY OR OYSTER PLANT

	Oz.	¼ lb.
Mammoth Sandwich Island	\$.55	\$1.75

SORREL

	Oz.	¼ lb.
Broad Leaved	\$.80	\$2.75

LANDRETH'S SPINACH

	Oz.	¼ lb.	1 lb.
Bloodsdales Blight Resistant (Va. Savoy)	\$.15	\$.25	\$.75
Bloodsdales Reselected (Dark Green Savoy)	.15	.25	.75
Bloodsdales Long Standing	.15	.30	.85

LANDRETH'S SPINACH—Continued

	Oz.	¼ lb.	1 lb.
Giant Nobel	\$.15	\$.25	\$.75
King of Denmark	.15	.30	.85
New Zealand	.15	.40	1.25
Old Dominion (Blight Resistant)	.15	.25	.75
Prickly Seeded	.15	.25	.75
Summer Savoy	.15	.30	.85
Virginia Blight Resistant	.15	.25	.75

LANDRETH'S SQUASH

Summer Varieties

	Oz.	¼ lb.
Benning's Bush	\$.20	\$.60
Cocozelle (Italian Marrow)	.20	.60
Dark Green Zucchini (Black Zucchini)	.20	.60
Early Golden Bush	.20	.60
Early Prolific Straightneck	.20	.60
Early Summer Crookneck (Golden or Baby)	.20	.60
Giant Summer Crookneck	.20	.60
Giant Summer Straightneck	.20	.60
Mammoth Yellow Bush	.20	.60
White Bush Scalloped (Patty Pan)	.20	.60
Woods Prolific	.20	.60
Yankee Hybrid	.50	1.75

Winter Varieties

	Oz.	¼ lb.
Banana	\$.20	\$.60
Boston Marrow	.15	.50
Butternut	.50	1.75
Delicious, Golden	.25	.75
Delicious, Green	.25	.75
Hubbard, Blue	.25	.75
Hubbard, Golden	.25	.75
Hubbard Green	.25	.75
Hubbard, Warty	.25	.75
Mammoth Chile	.25	.75
Mammoth Table Queen	.20	.60
Table Queen (Des Moines or Acorn)	.20	.60

SUNFLOWER

	½ lb.	1 lb.
Russian	\$.20	\$.35

LANDRETH'S TOMATO—Red Varieties

	Pkt.	Oz.	¼ lb.
Beefsteak (Crimson Cushion)		\$.90	\$3.00
Bonny Best		.75	2.50
Bonny Best Certified*	\$.15	.80	2.75
Bonny Best Crown Picked Cert.*	.20	.90	3.00
Break O'Day		.65	2.25
Chalks Jewel		.75	2.50
Chalks Jewel Certified*	.15	.80	2.75
Chalks Jewel Crown Picked Certified*	.20	.90	3.00
Earliana		.90	3.00
Early Canner Certified*	.20	.90	3.00
Garden State		.65	2.25
Greater Baltimore		.65	2.25
Greater Baltimore Certified*	.15	.80	2.75
Greater Baltimore Crown Picked Certified*	.20	.90	3.00
Grothen's Globe		.75	2.50
Grothen's Globe Certified*	.15	.80	2.75
Indiana Baltimore		.65	2.25
Indiana Baltimore Certified*	.15	.80	2.75
Indiana Baltimore Crown Picked Certified*	.20	.90	3.00
John Baer		.75	2.50
John Baer Certified*	.15	.80	2.75
John Baer Crown Picked Cert.*	.20	.90	3.00
Landreth's Red Rock		.65	2.25
Landreth's Red Rock Certified*	.15	.80	2.75
Landreth's Red Rock Crown Picked Certified*	.20	.90	3.00
Marglobe		.60	2.00

* Certified by PENNSYLVANIA Dept. of Agriculture.



ALL PACKETS 10c UNLESS OTHERWISE NOTED

LANDRETH'S SEED — TESTED — FRESH — RELIABLE

TOMATO Red—Continued			
	Pkt.	Oz.	¼ lb.
Marglobe Certified*	\$.15	\$.80	\$ 2.75
Marglobe Crown Picked Cert.*	.20	.90	3.00
Pan America		.60	2.00
Pan America Certified*	.15	.80	2.75
Pan America Crown Picked Certified*	.20	.90	3.00
Pritchard (Scarlet Topper)		.60	2.00
Pritchard (Scarlet Topper) Certified*	.15	.80	2.75
Pritchard Crown Picked Cert.*	.20	.90	3.00
Red Varieties Mixed		.30	1.00
Rutgers		.60	2.00
Rutgers Certified*	.15	.80	2.75
Rutgers Crown Picked Cert.*	.20	.90	3.00
Stokesdale		.60	2.00
Rutgers Early		.60	2.00
Stone, Dwarf		.90	3.00
Stone, Improved		.60	2.00
Stone, Improved Certified*	.15	.80	2.75
Stone, Improved Crown Picked Certified*	.20	.90	3.00
The Landreth		.60	2.00
The Landreth Certified*		.80	2.75
The Landreth Crown Picked Certified*	.20	.90	3.00
Valiant		.60	2.00

Pink and Purple Varieties			
	Pkt.	Oz.	¼ lb.
Brimmer		\$ 1.00	\$ 3.25
June Pink		.65	2.25
Gulf State Market		.90	3.00
Livingston's Globe		.65	2.25
Oxheart	.15	1.25	
Ponderosa		1.00	3.25

Yellow Varieties		
	Oz.	¼ lb.
Golden Queen	\$ 1.00	\$ 3.25
Yellow Ponderosa	1.00	3.25

Small Fruited Varieties		
	Oz.	¼ lb.
Pear Shaped Red	\$.90	\$ 3.00
Pear Shaped Yellow	.90	3.00
Plum Shaped Yellow	.90	3.00
Plum Shaped Red	.90	3.00
Red Cherry, Small	.90	3.00

* Certified by PENNSYLVANIA Dept. of Agriculture.

LANDRETH ZINNIA

As originators of the Zinnia in this country, we especially recommend our unsurpassed strain, developed from many years of experiment and study. The Zinnia is an ever-popular favorite for the flower garden; blooms well with very little care and even under unfavorable conditions.

LANDRETH TURNIPS			
	Oz.	¼ lb.	1 lb.
Amber Globe, Green Crowned.	\$.15	\$.30	\$.85
Amber Globe, Red Crowned.	.15	.30	.85
Cow Horn (Large White Green Crowned)	.15	.25	.75
Early White Flat Dutch	.15	.30	.85
Golden Ball (Orange Jelly)	.15	.30	.85
Macomber	.15	.25	.75
Milan Purple Top	.15	.35	1.00
Milan Extra Early White	.15	.35	1.00
Pomeranian White Globe	.15	.25	.75
Purple Top Strap Leaf	.15	.25	.75
Purple Top White Globe	.15	.25	.75
Snowball	.15	.25	.75
White Egg	.15	.25	.75
Yellow Aberdeen	.15	.30	.85
FOLIAGE TURNIP			
	Oz.	¼ lb.	1 lb.
Seven Top	\$.15	\$.25	\$.75
Shogoin	.15	.35	1.00
RUTABAGA OR SWEDISH TURNIP			
	Oz.	¼ lb.	1 lb.
Bloomsdale Swede	\$.15	\$.25	\$.75
Bucks County Neckless	.25	.75	2.50
Canadian Gem	.15	.25	.75
Landreth's Improved Purple Top	.15	.30	.85
Landreth's Particular	.20	.60	2.00
Long Island Improved	.15	.25	.75
Laurentian Registered	.15	.25	.75
Macomber	.15	.25	.75
NASTURTIUM			
	Oz.	¼ lb.	
Double Golden Gleam	\$.30	\$.85	
Double Scarlet Gleam	.30	.85	
Double Hybrids Mixed	.35	1.00	
Dwarf Single Mixed	.25	.75	
Tall Single Mixed	.25	.75	
ZINNIAS			
	½ Oz.	Oz.	
Giant Dahlia - Flowered Mixed	\$.90	\$ 1.50	
California Giants Mixed	.70	1.25	
Pompon or Double Lilliput Mixed	.45	.75	
SWEET PEAS			
	Oz.	¼ lb.	
Summer Flowering Spencer Mixed	\$.25	\$.75	
Early Flowering Spencer Mixed	.50	1.50	

➡ **ALL VEGETABLE PACKETS 10c**
UNLESS OTHERWISE NOTED
ALL FLOWER SEED PACKETS 10c

The Landreth Colonial Boy Trademark

Buy at the sign of the Colonial Boy.

It means that you are buying the very best quality seed that care, experienced personnel, and 163 years of experience in the breeding and growing of fine seed can produce. Buy with the confidence that you are buying the best.



1784 - 1947

Here is our trademark.

It symbolizes the 163 years which we have been in the seed business. It indicates that all products bearing this trademark come from America's Oldest Seed House. There is only one D. Landreth Seed Co.

QUALITY COMES FIRST

P. Landreth Seed Co.

WE DELIVER EXCEPT AS NOTED TO any Express or Post Office in the United States. PREPAID, All Vegetable and Flower Seeds, Bulbs, Lawn Grass Mixtures, Plants and Roots. NOT PREPAID, Onion Sets, Grass Seed, Fertilizer, Potatoes, Field Seed, Insecticide. If wanted by mail add postage or we will ship collect by cheapest, Express or Freight.

Kindly state if wanted by Mail, Express, or Freight.

Post Office _____ Zone _____

County _____ State _____

Express or Freight Office (If different from P. O.) _____

(Please write only one variety on a line, naming Quantity, Full Name of Variety, and Price. Any notes or correspondence should be on a separate sheet.)

[illegible]

Non-Warranty—In accordance with the custom of the seed trade, D. Landreth Seed Co. or our agents give no warranty, express or implied, as to the productiveness of any seeds or bulbs sold and will not be in any way responsible for the crop. Liability, in all instances, is limited to the purchase price of the seed.

ORDER—CONTINUED

[illegible]

HOW TO ORDER FROM THIS GARDEN GUIDE

HOW TO ORDER—Write plainly, your name, post office and particularly your state, and if you have a different express or freight office, please indicate on the order.

HOW TO SEND MONEY—Remittances may be made by cash with order, check or Postal Money Order. United States stamps may be remitted in amounts less than \$1.00. **WE DELIVER EXCEPT AS NOTED** to any Express or Post Office in the United States. **PREPAID.** All Vegetables and Flower Seeds, Bulbs, Lawn Grass Mixtures, Plants and Roots. **NOT PREPAID,** Onion Sets, Grass Seed, Fertilizer, Potatoes, Field Seed, Insecticide. If wanted by mail add postage or we will ship collect by cheapest Express or Freight.

MARKET GARDENERS' ATTENTION—If you purchase quantities of vegetable seeds to grow and to sell the product in the market, ask for our Market Gardeners' prices. For typical Parcel Post rates, see below.

DOMESTIC PARCEL POST RATES

LBS.	Local	1-2 Up to 150 miles	3 150 to 300 miles	4 300 to 600 miles	5 600 to 1000 miles	6 1000 to 1400 miles	7 1400 to 1800 miles	8 Over 1800 miles	LBS.
1	\$0.08	\$0.09	\$0.10	\$0.11	\$0.12	\$0.13	\$0.15	\$0.16	1
2	.09	.11	.12	.15	.18	.20	.24	.27	2
3	.09	.12	.14	.18	.23	.27	.33	.38	3
4	.10	.13	.16	.22	.28	.34	.42	.49	4
5	.10	.14	.18	.25	.34	.41	.52	.61	5
6	.11	.15	.20	.29	.39	.48	.61	.72	6
7	.11	.16	.22	.32	.44	.56	.70	.83	7
8	.12	.17	.24	.36	.50	.63	.79	.95	8
9	.12	.18	.26	.39	.56	.70	.89	1.06	9
10	.13	.19	.28	.43	.61	.77	.98	1.17	10

For Special Delivery an additional 15c fee is required on packages weighing up to two (2) pounds—25c on packages weighing more than two (2) pounds and up to ten (10) pounds—35c on packages weighing more than ten (10) pounds. These fees include special handling and transportation as first-class mail.

Nott's Excelsior—60 Days. Seeds green, wrinkled, square at ends like American Wonder. Vines almost identical to the American Wonder except slightly taller. One of the best early, dwarf, wrinkled sorts. Vines about 15 to 18 inches high, producing a good crop of well-filled blunt pods about 3 inches long.

Premium Gem—65 Days. Seed green, wrinkled, often flattened. An admirable, very productive second early. Height of vine, about 20 inches. Pods blunt, about 3 inches long, 5 to 7 Peas in a pod.

Sutton's Excelsior—65 Days. Seed large, wrinkled, light green, flat. Height of vine about 18 inches, producing exceedingly dark, blunt, straight single pod, containing 6 or 7 large Peas. Very desirable for both private and market gardeners. A very fine variety.

Thomas Laxton—65 Days. Seed wrinkled, medium size, cream and green color. Height of vine about 3 feet. Vines darker green than Gradus. Length of pods about 4 inches, containing 6 to 8 large tender Peas, more productive and vigorous than Gradus. Pods single, blunt or square ended, and light green. An early fine productive pea for market gardeners or home use.

World's Record—56 Days. Seed wrinkled, large, cream and green color. Pods are pointed, about 4 inches long, and broad. An early type of the celebrated Gradus, very frequently used as an early Gradus. Height of vine 24 to 30 inches, light green. Fine showy single pods, with 7 or 8 Peas in each. Vines medium heavy. A wonderful early Pea.

Late Varieties

Alderman—76 Days. Telephone type. Pods pointed, dark green, large, average about 5½ inches long, from 8 to 10 Peas to a pod. Dark green, coarse vines, very productive. Excellent.

Dwarf Telephone (Daisy)—75 Days. Seed large, light green bluish tinge, wrinkled. Vines light yellowish green, about 20 inches high. So named because its vine, although very short, resembles very closely the Telephone, only lighter. Stems very thick and sturdy, broad leaves. Pods about 4½ inches long, of the Telephone type.

Prince Edward—76 Days. The seed is large, wrinkled, green mixed with cream color. Vine coarse, dark green, 4 to 4¼ feet tall. Resistant to Fusarium Wilt. Pods single, large, pointed, about 5 to 5½ inches long, containing 8 to 10 Peas of the best dark podded Telephone type, showy, exceedingly productive, in our opinion the best of the tall Telephone type on the market today for either kitchen or market gardeners to grow.

Stratagem Improved (Potlach)—75 Days. Dry seed, blue-green, slightly pitted. Height of vine about 22 to 26 inches, deep green, very luxurious. Pods of Telephone type, single, about 4 inches long, containing 8 to 10 Peas. A great favorite with private gardeners because of its large, handsome pods, which are borne singly and in pairs.

Telephone, Dark Podded—76 Days. The seed is large, wrinkled, creamy green color. Height of vine 4 to 4½ feet, coarse. Pods single, about 5 inches long, dark green, pointed, straight. One of the best late, large podded Peas.



Peas—Little Marvel

Edible Podded or Sugar Peas

Dwarf Gray Sugar—75 Days. Height of vine about 24 to 30 inches. Of the same habits as Dwarf White Sugar, only producing Peas of a gray mottled appearance. Purple blossoms. The pods, double, light green, curved, are eaten like Snap Beans.

Dwarf White Sugar—65 Days. Very small, smooth, round creamy white. Pods mostly straight, semi-pointed, light green. Plants are medium green, slender with white blossoms.

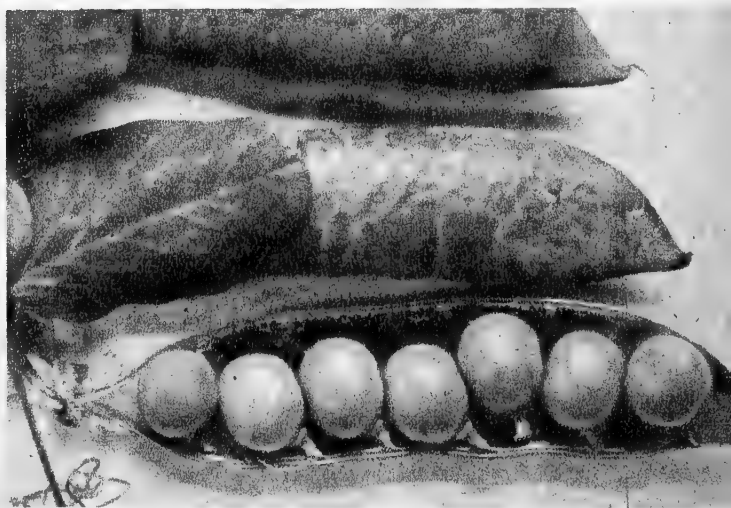
Mammoth Luscious Sugar—80 Days. Seeds gray mottled, blossoms purple. Height of vine about 5 feet. Vine light green, coarse, similar in character to the Mammoth Melting Sugar. Pods single, very broad, almost identical to Mammoth Melting, and eaten like a Snap Bean.

Mammoth Melting Sugar—80 Days. Seeds large, smooth, creamy white. Height of vine about 5 feet. Pods single, very broad, light green, 4 to 5 inches long, blunt, brittle, twisted and puffed, 1¼ to 2 inches wide.

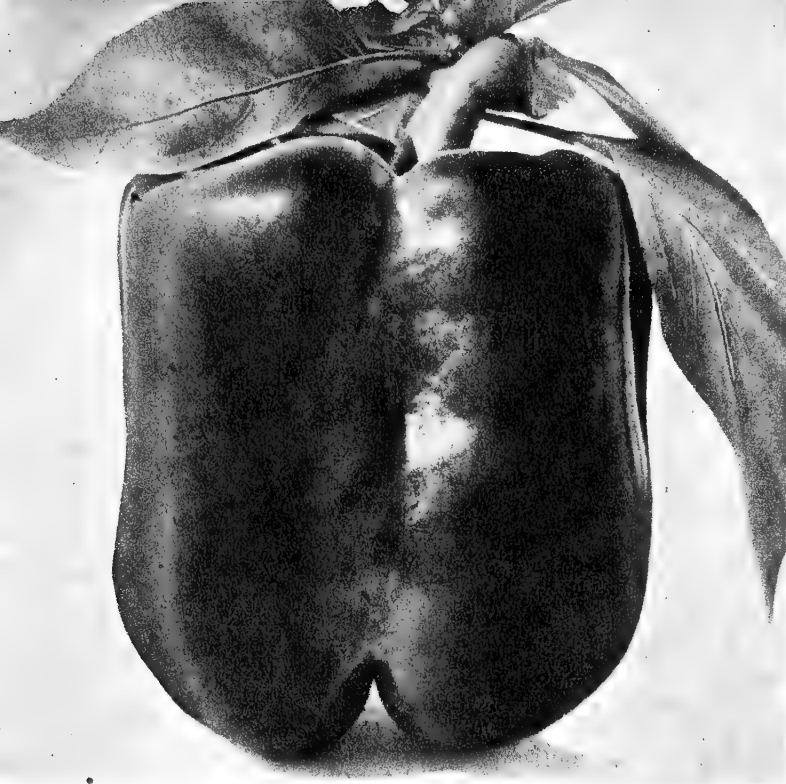
A LANDRETH FIRST!

Tomatoes were cultivated in Europe as early as 1596, but it was not until 1820, when introduced by Landreth, that the Tomato was grown in America.

At that time, the Tomato was yellow only and people were afraid to eat it. In 1840 six other varieties of the Tomato came into existence; people's scepticism of it began to fade and the Tomato was well on its way to becoming a staple part of the American diet.



Mammoth Melting



Pepper—California Wonder



Pepper—Worldbeater

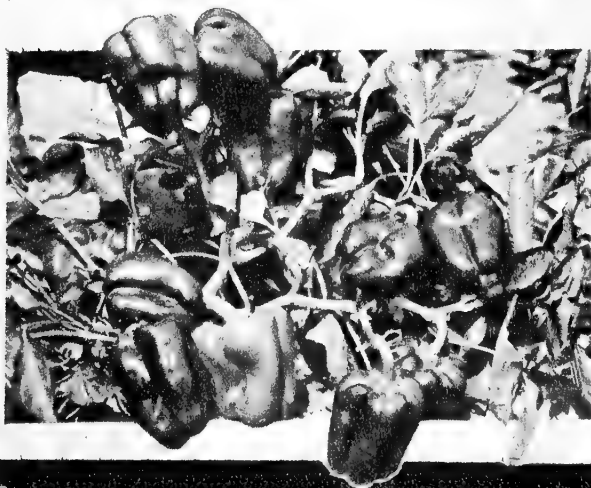
Landreth's Peppers

An ounce will produce over 1000 plants; $\frac{1}{2}$ lb. will set an acre. Sow seed $\frac{1}{4}$ in. deep in hot bed in March. Transplant in rows about 3 ft. apart and 2 ft. apart in rows. Plants are set in Middle Atlantic States early in May or when danger of frost is over and about 4 in. high. Cultivate regularly to keep down weeds, drawing soil up around stems and hoe in a light fertilizer or well pulverized manure, when plants are 7-8 inches high. Do not plant hot peppers near sweet; they are apt to cross.

Anaheim Chili—100 Days—Hot. The fruits are narrow and long, averaging 1 to $1\frac{1}{4}$ inches wide at the shoulder, and 4 to 5 inches long, tapering gradually to a sharp point.

Bull Nose (Large Bell)—120 Days, seed; 65 Days, plants—Ribs Pungent. Fruits 3 in. long, $2\frac{3}{4}$ in. in diameter; blunt, pendant, largely 4 lobed, deep green, changing to scarlet red at maturity; ribs pungent, flesh quite mild. This earliest pepper of the bell type is a combination of both hot and sweet. Well adapted for home and market.

Bull Nose (Royal King)—120 Days, seed; 65 Days, plants—Sweet. This is identical to Bull Nose above in plant and fruit characters but the flesh is sweet.



California Wonder—120 Days, seed; 75 Days, plants—Sweet. Fruits are borne upright. Medium width and length averaging $3 \times 3\frac{1}{2}$ inches, with mostly 4 points. The crown is generally hollow, and the outside of the fruits very smooth. The walls are very thick, and the flesh sweet.

California Wonder Extra Select—120 Days, seed; 75 Days, plants—Sweet. Characteristics of this variety are somewhat similar to above, the only exception being that this variety was produced from especially selected and inspected seed stock. Every plant of this variety had to pass the most rigid test.



A Field of Peppers Grown for the Selection of Seed Stock

One of many typical letters received by Landreth.
Charlotte, N. C.
November 29th, 1945

"Gentlemen:

Last year I used a pound of your Penna. Certified Crown Picked Marglobe tomato seed and sold around a thousand dollars worth of tomatoes to the grocery stores and restaurants in Charlotte. I have the pleasure of selling my products to the best stores and eating places in my town."



Peppers—popular varieties

Chinese Giant—130 Days.—Sweet. Large fruits, mostly 4 x 4 inches with no tapering to the 4 or 5 irregular points. The fruits are very rough and much ribbed, and belly-out at the center like a Chinese lantern. Walls are thin and the flesh sweet.

Florida Giant—130 Days, seed; 75 Days, plants.—Sweet. This selection out of California Wonder is becoming an important variety in the South. The plants are taller and coarser than California Wonder, and the leaves are wider. The fruits are borne upright and are generally wider and longer than California Wonder, otherwise, they are the same.

Florida, Giant Extra Select—130 Days, seed; 75 Days, plants.—Sweet. Characteristics of this variety are similar to above; the only exception being that this variety was produced from especially selected seed stock, determined for purity, germination, maturity and type. In great demand throughout Florida. Flesh very mild and sweet.

Golden Dawn (Bell or Queen)—120 Days.—Sweet. This is a golden Bull Nose, being identical to this variety in type of plant and fruits. The color of the young peppers is very light green, turning to light yellow, then an orange-yellow color as they mature.

Harris Early Giant—110 Days.—Sweet. This variety might be described as an Early Chinese Giant. It is well suited to the most northern states, where Chinese Giant matures too late.

Hungarian Yellow Wax—100 Days.—Hot. A small plant, bearing a large number of medium to small red and yellow fruits. Shaped like Anaheim Chili.

Hungarian Wax (Sweet)—100 Days. 6-8" long, 2" across. Waxy, canary yellow, changing to bright red when ripe.

Long Red Cayenne—100 Days.—Hot. Long, thin fruits, averaging $\frac{1}{2}$ to $\frac{3}{4}$ ins. wide, $3\frac{1}{2}$ to 4 ins. long, tapering gradually to a single point.

Neapolitan—100 Days.—Sweet. Produces many upright small fruits, averaging $1\frac{1}{2}$ to 2 inches wide, 3 to 5 inches long, tapering to a single blunt point.

MEXICAN BEAN BEETLE

This little pest is a constant menace in some parts of the country. It is lemon or coppered color with black spots and about $\frac{1}{4}$ " long. Larvae are yellow with black spines and first appear on the under side of the vine leaf.

ROTENONE "75" DUST can be used with wonderful results in getting rid of these pesky little fellows.

Treatment should begin as soon as the larvae start to appear. It is also wise to plow the vines under after harvest, as this will reduce infestation.

Visit Your LANDRETH DEALER

The D. Landreth Seed Co. has many established dealers. We are constantly co-operating with our many dealers to bring you the very finest service in seeds and allied products.

Purchase the Genuine Landreth Seed grown by America's Oldest Seed House from your local dealer. If there is no Landreth dealer in your community, we urge you to write direct for genuine Landreth Seeds.

Pimiento (Perfection)—130 Days.—Sweet. Produces many fine, medium-sized, pendant fruits in the Southern States as it requires a long growing season. Fruits about 2 to $2\frac{1}{2}$ inches wide and $3\frac{1}{2}$ to 4 inches long, tapering gradually to a single blunt point. The walls are thick. Used for canning whole.

Red Chili (Small Cayenne)—100 Days.—Hot. A small, upright fruited type, size $1\frac{1}{2}$ ins. long by $\frac{3}{8}$ in. thick, tapering to a sharp point. Very hot. Used for making hot sauces.

Royal King—(see Bull Nose Sweet).

Ruby Giant—(see World Beater).

Ruby King—110 Days.—Sweet. Fruit averages $2\frac{1}{2}$ to $3\frac{1}{2}$ inches wide at the shoulder and $4\frac{1}{2}$ to 5 inches long, tapering gradually to 3 or 4 points. Flesh is fairly thick and sweet. Unsurpassed stock.

Ruby King Extra Select—110 Days, seed; 68 Days, plants. Characteristics similar to the above with the exception that this seed is saved from only the highest selected stock, tested for purity, germination, maturity and trueness to type. It has received highest recommendation from discerning growers.

World Beater (Ruby Giant)—115 Days.—Sweet. The fruits are large, averaging $3\frac{1}{2}$ to 4 ins. in size, with very little tapering to the generally 4 points. The flesh is fairly thick.

WORLD BEATER EXTRA SELECT—115 DAYS —SWEET. This is similar to the above except that it is a special seed grown from plant selected peppers. It is a strain which is noted for uniformity of plant and fruit, thickness of flesh, hollow crown and increased yield per acre.



Selecting Peppers for Seed Stock



Potatoes—Green Mountain

Landreth's Potatoes

Grow your own Potatoes from Landreth Blue Tag Seed Potatoes.

Cut seed pieces with at least one good eye—no more than two.

$\frac{1}{2}$ peck required for 100 ft. of row (approx. 8 lbs.)
10 - 12 bu. per acre.

Plant in rows 3' apart; place 15" apart in the row; planting depth 4"; plant early varieties March and April; plant late varieties June and July.

Irish Cobblers (Maine Certified—Early)—79 Days.

The most popular early white sort. An excellent keeper and of the finest of table quality.

Green Mountain (Maine Certified—Late) — 130 Days.

A proven big cropper of large, smooth, oval potatoes. The "Mountain" will crop well where other varieties may fail. It appears less susceptible to blight and will tolerate more varied soil conditions. A good winter keeper and unexcelled in quality.

Katahdins (Maine Certified—Late) — 140 Days.

High quality, shallow eyed, large baking sort. A recent development of the United States Department of Agriculture.

Landreth's Pumpkins

One ounce will plant 25 hills; 4 pounds per acre. Plant in hills 8 x 8 ft. apart; thin to 2 or 3 plants per hill. Do not plant seed until ground is sufficiently warm.

Connecticut Field or Big Tom—115 Days.

A large, rich, somewhat ribbed, orange yellow, slight oval or cylindrical fruit, flat on end. Very productive. Used extensively for canning. Popular for pies. Average weight about 20 pounds.

Kentucky Field—110 Days. Prolific variety. Fruit from nearly round to flattened. Pale green to cream, turning to orange yellow. The flesh of Kentucky Field is deep yellow.

King of Mammoths (Potiron)—120 Days. This is the largest Pumpkin on the market and in reality is a monster. For many years fruits of this sort have been awarded every prize in State and County Fairs for the largest Pumpkins. It is not only an exhibition sort but is a very profitable variety for raising for stock feeding. Bright lemon in color, mottled with orange. Round with a trace of ribbing. Yellow Monster, King of the Mammoth or Potiron, weighs from 60 to 100 pounds.



King of Mammoths

Landreth's Large Cheese—108 Days. An excellent kitchen variety. Shape flat like a Cheese box, from which it derived its name, although it is slightly ribbed on edges. Outside color lemon, no stripes. Fine quality and keeper. Often 15 inches across the top and 6 to 7 inches thick. Top and bottom indented. Average weight is 17 pounds.

Small Sugar (New England Pie)—115 Days. This is a very fine, small, sweet, fine grained productive sort for pies. Good keeping qualities. Fruit oval, or globular, flattened at both poles, 8 to 10 inches in diameter, slightly ribbed. Flesh a deep rich yellow or orange. Weight 6 to 8 lbs.

Striped Cushaw—115 Days. Fruit large, bottle shaped, early, with very slight crookneck. Color creamy white, with irregular stripes of green. Flesh light yellow and thick. Average weight about 12 pounds.

Tennessee Sweet Potato—110 Days. Smooth, pear shaped with a slightly crooked neck, white skin slightly mottled with green. Weight about 41 lbs.

Yellow (Golden) Cushaw—115 Days. Our stock of this cannot be excelled. It is a mammoth, prolific Pumpkin, frequently weighing 30 lbs. with a very large, full, meaty, curved neck, with the best colored meat to make fine pies. Both outside and inside color very rich cream yellow. No stripes of any kind.

Landreth's Rape or Colewort

Sow 6-8 lbs. per acre broadcast; 3-4 lbs. in drills 18-24 inches apart in the row. Cheap quick pasturage for poultry and all livestock. Ready in 6 weeks.

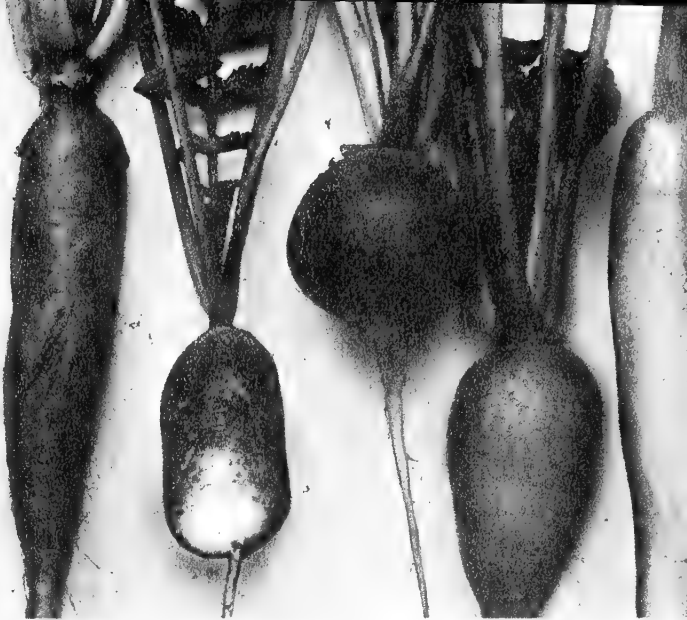
Dwarf Essex—42 Days. One of the very best plants for pasturing cattle, sheep and swine. Under very favorable conditions the pastures will be ready within six weeks, but in any event, in eight or nine weeks. As rape thrives best in cool weather, plant early in the Spring or late in the Autumn.

Landreth's Rhubarb or Pie Plant

One ounce will plant 75 ft. of row. Sow the seed early in the Spring in rows 18 inches apart; thin the seedlings to 7-12 inches apart in the row. The following Spring transplant to a permanent location, spacing them 2-4 ft. apart. Cover with 4 inches of soil. It is very easy to grow your own rhubarb roots from seed. Healthy, strong, excellent roots can be grown in one year. The second and succeeding years they will produce an abundance of rhubarb equal to any grown from roots. Roots grown from our seed have never been known to be diseased. Always hardy, and of strong growth.

Linnaeus—Stalks grow very large and are light green and scarlet in color.

Victoria—Immense, long and thick cherry-red stalks. Very tender. A superior variety.



Landreth's Radishes

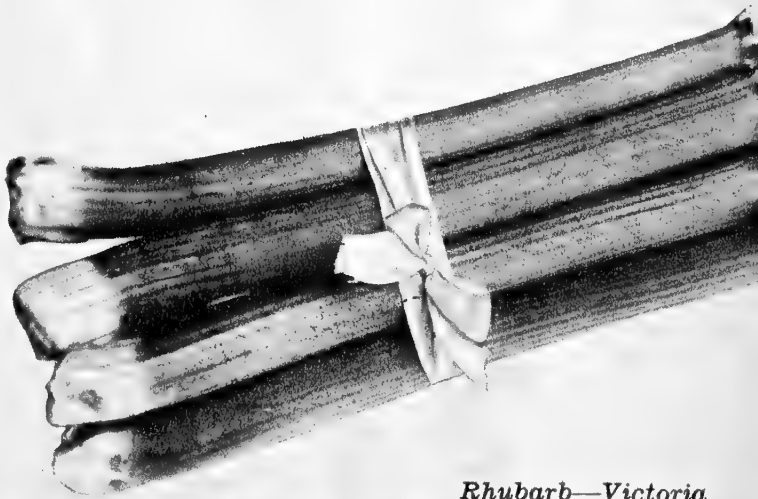
One ounce will sow 100 ft. of row; 10-12 lbs. to the acre. Rows should be 12-15 inches apart and sow $\frac{1}{2}$ in. deep. To insure well shaped radishes the ground should be finely pulverized and only well rotted manure or fertilizer used. Fresh manure will ruin the crop. First sowings are made as soon as the ground can be worked as radishes are hardy, then successive sowings should be made up to hot weather. To avoid pithiness the crop should be grown quickly and pulled when mature. If planted too deep, radishes usually grow too long. Use short top varieties in hot beds.

Early Varieties

Crimson Giant—25 Days. This is one of the largest of the early all-red varieties. Roots almost globular in shape, 1 to 1½ inches in diameter when edible. Tops slightly taller than Scarlet Globe. Crimson in color, of excellent quality.

Early Deep Scarlet Turnip—24 Days. Scarlet in color, smooth skin, round roots 1 inch in diameter, slightly flat, excellent for forcing. Short tops.

EARLY SCARLET GLOBE—23 DAYS. Roots slightly elongated globe; 1¼ inches long when ideal for use; slender, well defined tap root; rich bright scarlet. Flesh white, crisp and of splendid quality. Ideal for bunching, outdoor culture and forcing.



Rhubarb—Victoria

French Breakfast—23 Days. Olive shaped or stump rooted. Upper part of bulb bright scarlet, white tipped one-third of the way up from the bottom. An excellent variety for the private garden. About 1½ inches long and ¾ inch in diameter. Short tops with the bulbs growing slightly above ground.

Landreth's 15-Day Scarlet (Saxa). A fine brilliant scarlet globe-shaped bulb, which has very small tops. A most desirable variety for forcing. We cannot recommend it too highly. It will lead the market in all scarlets, being ready for table use in 15 days from germination. This is a remarkable Radish for indoor culture.

Philadelphia White Box—30 Days. So named because often grown in open frames or boxes. Remains in solid edible condition a long time. Roots white and globe to turnip shaped.

SCARLET TURNIP WHITE TIPPED (SPARKLER)—25 DAYS. Extra fine. Small in leaf, early. Flat to globular, with an unusual amount of white on the bottom which often extends one-third to one-half up the bulb, the lower half being white, the upper half bright scarlet; consequently, the contrast in color is showy both on the table and market stand.

Long Rooted Varieties

Chartier (Long Rose)—35 Days. Sometimes called Shepherd. This is an excellent variety for planting outdoors. Roots slim, bright rose color. One inch thick, averaging 7 to 8 inches in length.

Cincinnati Market—30 Days. Scarlet. A slim, transparent radish about 6 to 7 inches long. Flesh white, crisp, mild and tender.

ICICLE, WHITE—30 DAYS. We consider this the best all-white Long White Radish. It is 5 to 6 inches long, very brittle, about ½ inch in diameter. Pure white and transparent skin, possessing unsurpassed eating qualities. Mild in flavor.

Long Scarlet Short Top—35 Days. This is a first-class brilliant scarlet Radish growing 7 to 8 inches long, with a good shoulder and one of the best long scarlet Radishes on the market.

White Strasburg—40 Days. Long in form, roots 4 to 6 inches and about 1½ inches in diameter. Skin is pure white and smooth. Roots thick at shoulder, tapering to a point. Remains in edible condition a long time.

Winter Varieties

Celestial White (Chinese White Winter)—56 Days. A quick growing variety somewhat resembling Half Long Stump Rooted Carrot in shape, only fuller. Roots are white, 5 to 6 inches long, 2½ to 3 inches in diameter. Does not make bulbs for Spring planting. One of the best Winter Radishes.

Chinese Rose Winter (Scarlet China)—58 Days. A fine Winter sort, half long stump, scarlet in color four-fifths of the length, remainder white. The roots are cylindrical, blunt at both ends, larger at the bottom than at the top. Skin a bright deep rose, flesh white, tops moderately large.

Long Black Spanish—65 Days. Roots 8 to 10 inches long and 1½ to 2 inches in thickness. Outside skin black. Flesh solid, pure white, of good texture.

Round Black Spanish—60 Days. A fine round or top-shaped, black skinned Winter Radish, 2 to 3 inches in diameter. Skin almost black, flesh white.

Landreth's Salsify or Oyster Plant

An ounce will sow 75 ft.; 8-10 lbs. per acre. Sow early ½ in. deep in earth that has been worked to a considerable depth. A desirable winter vegetable and one that should be used more often. Frost does not hurt the roots but a quantity should be stored in pits or winter cellar before the ground freezes.

Mammoth Sandwich Island—110 Days. A very superior strain producing smooth, large, vigorous roots, 6 to 8 inches long, 1 to 1½ inches thick. Similar to a slim Parsnip. Often called "Vegetable Oyster."

Landreth's Sorrel

An ounce will sow 150 ft.; 10-12 lbs. per acre. Sow in spring or summer in drills. A hardy perennial which may live for several years.

Broad Leaved—60 Days. A superior variety used extensively by market gardeners.

Landreth's Spinach

An ounce will sow 100 ft.; 8-10 lbs. per acre in drills. If broadcast sow 12-15 lbs. per acre. The ground should be rich and seed should be planted to a depth of ½ inch except New Zealand, which should be 1 inch. The fast bolting types may be sown very early in the spring or from Aug. 15 until frost. The slow bolting types may be planted when it is impractical to sow the early types.

Bloomsdale Blight Resistant (Virginia Savoy)—45 Days. Developed by the Virginia Truck Experimental Station, Norfolk, Virginia, after many years of careful breeding. It is of the Bloomsdale type. Resistant to mosaic diseases, yellows or blight. It is not adapted to Spring planting as it shoots to seed quickly at that time.



Spinach—New Zealand



Spinach—Bloomsdale Long Standing

BLOOMSDALE LONG STANDING—45 DAYS.

Remains about 8 to 14 days longer in table condition than the main crop, Bloomsdale Reselected, is larger and about 5 days later. Remarkable in the almost total absence of male plants. This selection possesses all the good qualities of the famous Bloomsdale Reselected, from which it is a plant selection made in Holland, the habit of remaining longer in shipping condition after Bloomsdale shoots to seed, which marks it as a very valuable type.

Bloomsdale Reselected (Dark Green Savoy)—40 Days. Sometimes called Norfolk Savoy. The Landreths introduced and named this general type in 1826. Since then it has become a standard and now appears in all catalogs in the United States and is equally well known in Europe. No Spinach is so well known as this variety and we are perfectly safe in saying that five times as much of this is sold and planted in the United States, as any other variety. The leaves are twisted, blistered or savoyed, and a glossy dark green, giving them an elasticity adapting them for transportation over long distances. This seed may be sown in the Autumn or as early in the Spring as the condition of the ground will permit. Spinach, when planted south of New York City, stands out all Winter and during the various open spells throughout the Winter can be cut and sent to market as a green vegetable; very valuable in this respect.

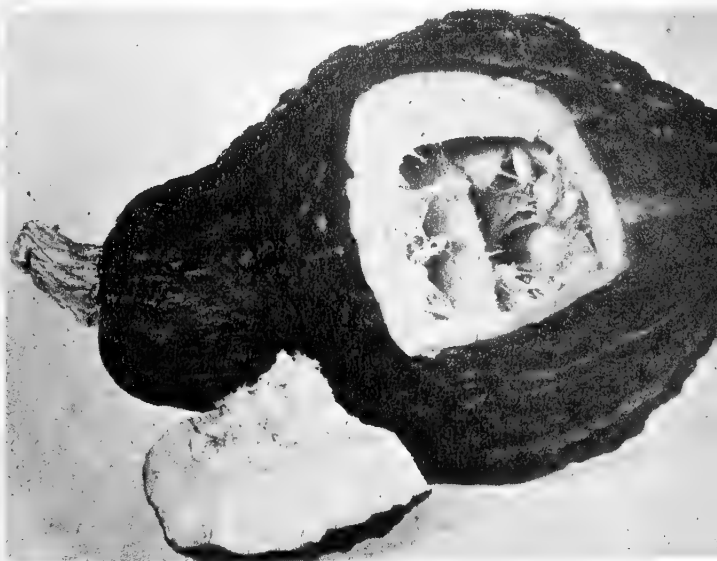
Giant Nobel (Giant Thick Leaved)—50 Days. An erect, strong growing, long standing sort of the Flanders type. Leaves large, unusually broad, firm, and thick. Arrow shaped with a rounded top. Light green to yellowish green in color, smooth and the largest of any Spinach. The most desirable of all the Long Standing types for those who do not favor a savoy leaf. Slow to shoot or bolt to seed.

King of Denmark—50 Days. An intermediate, long-standing, heat resistant variety, hardy, vigorous growing, spreading in habit, inclined to grow flat on the ground, leaves large, long, broad.

NEW ZEALAND—70 DAYS. Absolutely distinct in form, color and habit from other Spinach—it is not a Spinach, though used as a Spinach. Foliage thick, succulent, dark green, never sunburns, a true heat resistant, leaves covered with water globules like an ice-plant. Later to mature for table than Spinach of usual form, but remaining in edible condition ten times as long. Plants remain in edible condition from July until killed by frost. A sort to "cut and come again." One of our Bloomsdale Farm Specialties.

Old Dominion (Blight Resistant)—45 Days. A long Standing Blight Resistant Savoy which has the long standing qualities of the King of Denmark, and is as dark green as the Bloomsdale types. Leaves well savoyed and well rounded as the other varieties of Bloomsdale. It is quite an improvement over the Virginia Blight Resistant Savoy.

Summer Savoy—48 Days. "All-America" Bronze Medal 1937. Is a new type of Long Standing Bloomsdale Savoy. Is later by about three days than Bloomsdale Long Standing Savoy but stands about one week longer before bolting. Leaves are more crumpled or blistered than Long Standing Bloomsdale and darker green than Bloomsdale Long Standing.



Hubbard Squash

Landreth's Squash

One ounce will plant 25 hills or 100 ft. of row; 3-4 lbs. per acre. Plant 8-10 seeds in a hill. The hills should be 4-6 ft. apart. Later thin out to three of the strongest plants in each hill. Plant 1 inch deep when ground becomes warm.

Summer or Bush Varieties

Bennings Bush (Green Tinted) 48 Days. An early greenish colored scalloped squash of excellent quality, similar to White Bush in shape and manner of growth with somewhat thicker fruit. A true non-running squash.

Cocozelle (Italian Marrow)—70 Days. A compact bush vine. Fruit somewhat the shape of a Banana Cantaloupe, about 12 to 15 inches long, 4 to 5 thick. When young, dark green, afterwards changing to alternate stripes of green and gold. Excellent for frying like eggplant.

Dark Green Zucchini (Black Zucchini)—70 Days. Similar in all respects to Cocozelle except shorter; skin darker. 7 to 8 inches long, 3 inches in diameter.

Early Prolific Straightneck—50 Days. A small Straightneck with smooth, creamy fruit. A heavy early yielder of excellent quality and a valuable shipper.

Early Summer Crookneck (Golden or Baby)—50 Days. Similar to the Giant Summer Crookneck, except earlier and smaller. The most used of all Summer Squashes.

Giant Summer Crookneck—60 Days. A large fruited selection of the old-time Golden Summer Crookneck. Fruit averages about 12 to 18 inches long and 6 to 8 inches thick, well crooked and covered with warts, color a deep orange. When young, a very good slicer and excellent fried.

Giant Summer Straightneck—60 Days. A selection of the Giant Summer Crookneck. It is the same in all respects except that the neck is straight.

White Bush Scalloped (Patty Pan)—52 Days. The Cymbling of the South, sometimes called Patty Pan. Listed by us for over 100 years. The shape of this variety is round, about 4 inches thick, 8 to 10 inches across, scalloped on the edges with frequent warts on sides.

Yankee Hybrid—50 Days. Developed at Connecticut Agricultural Experiment Station. A true hybrid similar in size and appearance to Early Prolific Straightneck but is a more productive variety and highly recommended.

Winter or Running Varieties

Banana—105 Days. Cylindrical and pointed at blossom end with thin, slate gray rind. Fine grained, thick flesh, yellow orange, sweet flavor. Seeds brown.

Boston Marrow—95 Days. A meaty or thick fleshed, very productive variety for canning. Fruits keep weeks after the vines have been killed by frost. Color of skin bright orange, shading to lighter color. Flesh deep orange, thick, firm.

Butternut—110 Days. Fruit 10 to 12" long and 4 to 5" diameter. Flesh is dry, yellow, well keeping. Excellent for pies.

Delicious (Green)—90 Days. In shape, a medium sized Hubbard. Shell not thick, but hard and strong; color, usually dark green, sometimes light and mottled. Bright yellow, fine grained, thick flesh.

Hubbard, Blue—95 Days. An early blue skinned Hubbard of excellent quality.

Hubbard, Golden (Red)—92 Days. Similar in shape to the Green Hubbard, only earlier and smaller. Skin usually warted, of a fine orange-red color except for a slight tinge of green at blossom end. Flesh deep orange. A fine keeper.

Hubbard, Green (Improved)—95 Days. A very popular Squash, pointed at both ends. Skin dark green to bronze, slightly marked with orange. Flesh is a bright yellow orange; tough rind. An excellent keeper, sometimes lasting until Spring.

Hubbard, Warted—95 Days. Identical to the old form of Hubbard, except a trifle larger. Covered with warts. Some prefer it to smooth types.

Mammoth Chile—96 Days. The largest Squash in cultivation, often reaching a weight of 100 pounds. Fruit long and pointed at blossom end. Very showy, skin bronze, mottled, flesh thick.

Mammoth Table Queen—80 Days. Distinctive, large fruited strain of Table Queen. Fruit similar in shape and color but much larger. Averaging 6 to 7" long and 5" across. A very desirable variety.

Table Queen (Acorn or Des Moines)—55 Days. Length 6 to 8 inches, 3 inches in diameter. About 2 pounds. Trailing habit. Deep green turning to orange, fruit ribbed, skin smooth. As it ripens use frequently. Desirable for home and shipping.

WATER WELL—AND NOT TOO OFTEN!

Gardens should be watered only when the soil shows signs of becoming dry. Never give your garden a light sprinkling. This is a bad practice and does little or no good. Do soak the soil deeply each time you water—and then leave watering alone until it is really needed.

Landreth's Sunflower

Mammoth Russian—The seed can be sown from early Spring until July, depending upon the time the crop is wanted. Drill in rows 3½ feet apart, then thin the plants one to every 12 or 15 inches. The seed is also used for parrots and wild birds.

Landreth's Swiss Chard Leaf or Spinach Beet

Grown exclusively for its leaves or stalks. An excellent vegetable for home garden. Assures a supply of tasteful greens throughout summer and fall. The leafy part may be served like spinach. The ribs may be creamed like asparagus or celery.

Large Ribbed, Dark Green—60 Days. Slightly crumpled leaves of good flavor. Midrib and stem thick and broad.

Large White Ribbed—60 Days. Glossy, smooth, green leaf. Ribs are white and broad. Popular with Market Gardeners.

LUCULLUS—60 DAYS. Stalks pure white and thick as Rhubarb. Foliage yellowish green and crumpled like Bloomsdale Spinach or Savoy Cabbage. Very choice. The tops cook like Spinach and the stems like Celery. Cultivation is the same as Beet.

Rhubarb Chard—60 Days. A Swiss Chard resembling Rhubarb in appearance. Leaf stalks are bright, but delicate, translucent crimson, with the rich color extending out through the vines into the dark green, heavily crumpled leaves. You will relish different, delicious flavor. Plants are so beautiful that they are perfect for flower borders. Leaves and stalks are attractive in flower arrangements. They are good keepers, too.



Swiss Chard—Lucullus



Every box of our Certified Seed has such a State Seal. It is your mark of confidence.

Landreth's Tomatoes

An ounce will produce 2000 plants, enough for $\frac{1}{4}$ acre. Early tomato plants should be started indoors, allowing 4-8 weeks to produce plants for setting out. Feb. or Mar. is the proper time to sow seed in hot beds or shallow boxes in the house; rows 4-6 inches apart and $\frac{1}{2}$ inch deep. When plants are 2 inches high transplant into 3-inch pots or shallow boxes 4 inches apart each way. Transplant to open ground when all danger of frost is past, 3-4 ft. apart each way.

Tomato plants should be hardened before setting in the field. This is best accomplished by withholding water a few days previous to moving them to the field. An average production of fruits is 7 tons per acre, but it is not uncommon for tomato growers to produce 10 to 20 tons per acre when they plant our Pennsylvania Certified Tomato Seed. In purchasing Landreth's Pennsylvania Grown Tomato Seed, the buyer is certain of the absolute purity of what he buys. Every crop is produced from seed saved from hand-selected fruits of the preceding year, every one of the fruits being closely inspected and approved as to shape, color and internal structure. What is more important, the only fruits saved are from vines of approved type, vigor, yield qualities, and freedom from disease.

IN THE FOLLOWING DESCRIPTIONS OF OUR VARIETIES OF TOMATOES, WE HAVE PLACED A STAR ★ BEFORE EACH VARIETY OF WHICH WE HAVE CROWN PICKED CERTIFIED AND CERTIFIED TOMATO SEED. THE REGULAR VARIETIES DO NOT HAVE A STAR ★

Red Varieties

Beefsteak (Crimson Cushion)—115 Days, seed; 90 Days, plants. Large, coarse plants producing very large, flat, somewhat rough tomatoes. A favorite with home gardeners who want mild flavored, large fruits.



Certified Pritchard

★**Bonny Best—100 Days, seed; 73 Days, plants.** The fruits of this old favorite are globular when small, becoming slightly flattened when they attain large size. Our strain has been selected for heavy yield. In a test at Pennsylvania State College, Landreth's Certified Bonny Best produced the highest yield of marketable fruits of the 10 varieties in the Second Early Group, and the largest average size of fruits.

Break O'Day—95 Days, seed; 70 Days, plants. The vines of this variety are very open growing and somewhat resemble Earliana in appearance. It is quite resistant to disease. The fruits are medium to large in size and quite closely resemble the Marglobe as to shape.

★**Chalk's Jewel—100 Days, seed; 74 Days, plants.** A splendid early sort for market and canning in the North.

Earliana—90 Days, seed; 66 Days, plants. This variety is used by market gardeners for a first early. It produces an abundance of medium-sized fruits on a small vine.

★**Early Canner—93 Days, seed, 80 Days Plants.** Offered by Landreth to the trade for the first time in 1946. This is a high yielder with large, deep, firm tomatoes with a good scarlet color. Although it is a splendid canner sort, nevertheless, it is a good table variety, with ample foliage for protection. This is something really worth while, for the up-to-date gardener. The supply of seed is limited and it is offered this first season in packets only and we have Penna. State Certified Seed available.

Garden State—95 Days, seed; 80 Days, plants. This is a new introduction, ripens before Rutgers, very productive. Fruit is well shaped, slightly flattened, splendid exterior and interior color and is especially recommended for home garden and canning. Very distinct vine.

★**Greater Baltimore—105 Days, seed; 83 Days, plants.** A main crop of midseason variety grown in the South and the Middle West. It is earlier than the Stone types, and therefore may produce a more satisfactory crop for you. Our strain of Greater Baltimore has been carefully plant-selected for large sized fruits and for good red internal color and solid structure. The vines are vigorous and healthy.

★**Grothens Globe—68 Days.** A heavy-vined selection from Break O'Day which has given remarkable results as a market Tomato in many sections. Fruits are globe-shaped with well-rounded shoulders and average 7-8 ounces. Walls are thick and firm, skin is brilliant red, free from yellow at the stem end.

★**INDIANA BALTIMORE—110 Days, seed; 79 Days, plants.** This splendid strain of Baltimore was developed for the Mid-west. It is about a week later than Greater Baltimore, the plants are slightly larger and coarser, but the fruits are about the same size and shape.



Tomato—Marglobe

★**John Baer—100 Days, seed; 70 Days, plants.** A second early tomato used extensively in New York State. It is similar to a large Chalk's Jewel or Bonny Best.

★**The Landreth—100 Days, seed; 75 Days, plants.** This variety is our own selection and is an improvement on the vast majority of those in the second early group. The fruits are large and solid. The external and internal color is a deep red, making it a good early canning tomato used extensively in New York. The fruits are firm, and of good grade, and the vines are heavy and exceedingly healthy.

★**LANDRETH'S RED ROCK—115 Days, seed; 86 Days, plants.** This is a splendid late variety for canning. Plants and fruits are large and of good quality.

★**MARGLOBE — 100 Days, seed; 74 Days from plants.** Landreth's Strain of Marglobe is a vast improvement over the original stock, and has been perfected by individual plant selections. The fruits are globular in shape, deep red color and have solid internal structure. Landreth's Marglobe is most productive, yielding well over 10 tons per acre in many sections of the country. The vines are robust and as wilt-resistant as any variety we have ever seen. We recommend the Marglobe for market gardeners, home gardeners and canners. The seed which we offer is all grown by us in our own fields.

★**PAN AMERICA—100 Days, seed; 74 Days from plants.** An entirely new tomato developed from a cross between Marglobe and the Red Currant tomato of Peru. More resistant to Fusarium wilt than any other variety. Vine, foliage and fruit of the Marglobe type. Needs no irrigation. Earlier than the Marglobe. Fruits globular, bright scarlet, outer and inner walls very thick. Heavy yielder. No other tomato variety is more suitable for canning and marketing. Can safely be planted in soils infested with Fusarium Wilt.

★**PRITCHARD (SCARLET TOPPER)—95 Days seed; 75 Days, plant.** "All-America" Gold Medal 1933. The plants of Pritchard (Scarlet Topper) are comparatively small, the leaves and stems a little coarser than those of Earliana. The vines are branching and fairly short, the tips ending in clusters of fruit or leaflets, thus giving it the name of "Topper." The fruits are medium in size and globular or slightly flattened at the blossom end. Features of this variety, which strongly appeal to canners, are its dark red interior, as well as exterior color, and its extreme solidity. Another strong point in its favor as a canning tomato, is its large yield of ripe fruit on rich soil over a short picking period.

Rutgers (Early Strain)—95 Days, seed; 79 Days, plants. In our tests in 1938, Early Rut-

gers had a little smaller plant than regular Rutgers, and not as much foliage. The fruits mature about a week earlier. The size and shape of the fruits, however, are about the same in both sorts.

★**RUTGERS—100 DAYS, SEED; 86 DAYS, PLANTS.** Introduced by Prof. Schermerhorn of The New Jersey Agricultural Experiment Station. It was developed by crossing Marglobe with the J. T. D. The Rutgers produces a rather large plant with thick stems and large leaflets, somewhat larger in all respects than Marglobe. On good, rich land, heavy applications of nitrogen should not be made, for Rutgers is a strong grower. The natural abundance of foliage serves as ample protection from sunscald of the fruits when light, sandy soils are used.

The fruits are somewhat larger than Marglobe, and about the same size as Break O'Day. Being larger than Marglobe, they tend to flatten out more than this variety, not being quite as globe-shaped. The external color is dark red. The internal structure is as good as our Marglobe or Break O'Day, having thick outer and inner walls, and very small seed cavities. The internal color is darker red than Marglobe. Rutgers is recommended to the canner, the market gardener and the home gardener. In tests at an Eastern State College, Landreth's Certified Rutgers produced the highest marketable yield per acre of the 4 strains in the test, and the largest average size of fruits. In Texas, Landreth's strain of Rutgers is the most outstanding introduction in recent years.

★**STONE, IMPROVED—115 Days, seed; 86 Days, Plants.** The standard late variety for all purposes. Plants are large, and produce large, flat fruits with good color and solid interior structure.



Selecting Fruit for Seed at Bloomsdale



Tomato
Rutgers

Pennsylvania State Tomato Seed Certification Requirements

Tomato Stock Seed—Before any variety can even be entered for certification in Pennsylvania, stock seed from carefully selected and staked plants must be saved the year previous to certification. D. Landreth Seed Co. goes further than that, as our stock seed is saved from carefully staked plants at least two years previous to certification, and seed from those staked plants proved by test a year in advance of certification. Only the very best tested strains are used for growing our fields for certification.

Field Inspection—Advanced Plant Pathologist K. W. Lauer of the Bureau of Plant Industry, Department of Agriculture, Harrisburg, Pa., and Dr. Warren Mack of Pennsylvania State College, accompanied by D. Landreth Seed Co., field men, inspect all our tomato fields before the first pickings are made. At least one more field inspection is necessary and sometimes one or two after that before these two inspectors are satisfied that the fields are up to the high standards required. During these inspections the fields are rated for vigor, and the plants and fruits are carefully examined for disease and trueness to type, whole fields being discarded if they do not meet the very strict requirements.

Inspection of Equipment—The seed saving machines are inspected, and the processes of washing and drying of the seed are checked.

Germination Tests—Samples of certified tomato seed are taken by Inspector Lauer direct from the bagged stocks. These are tested for germination at Harrisburg and certificates issued to our Company.

Certification Stickers—The Pennsylvania Department of Agriculture issues pink certification stickers which we paste on each package of Certified and Crown Picked Certified Tomato Seed. These stickers state that the tomato seed in the package was inspected and certified by the Pennsylvania Department of Agriculture. We guarantee the seed to be part of that inspected and passed in accordance with the Pennsylvania rules and regulations for the certification of tomato seed.

Crown Picked Certified Tomato Seed

The demand for Crown Picked Tomato Seed has been so great that we have previously been unable to fill the orders for it. We now have Crown Picked Seed of all the certified tomato varieties listed. For Crown Picked Seed only the first or crown clusters of fruits are used. Some growers claim that crown picked seed is plumper and therefore produces earlier fruits the following year than the seed from later pickings.

Stokesdale—70 Days from plants. An extra-early Tomato resembling the Marglobe in size and shape, but is ten days earlier. A heavy yielder all season. Fruits are brilliant scarlet, large and smooth with solid interior. Ripen from the inside outward.

Valiant—90 Days, seed; 70 Days, plants. This variety matures before Rutgers and Marglobe. The fruit is solid, smooth and of fine quality. Its early maturity permits the fruit to ripen before the small vine growth makes it subject to sunburn. We recommend this fruit for planting in New Jersey and adjacent areas.

Red Varieties Mixed—For those who like to have different kinds and strains, we offer a mixture of red varieties, some of which will do better than others under various conditions and which will mature at different dates. Ideal for the home gardener who likes a variety of red varieties for the table.

Pink and Purple Varieties

Dwarf Champion—110 Days, seed; 78 Days, plants. This is a late tomato of the dwarf or upright, potato leaf type.

June Pink—90 Days, seed; 68 Days, plants. Is a pink Earliana—see Earliana for description.

Gulf State Market (Louisiana Strain)—100 Days, seed; 80 Days, plants. This superior strain developed by Dr. Julian Miller of L. S. U., is better than most other pink varieties on the market. It has some resistance to wilt generally not found in pink sorts. The plants are robust and produce an abundance of medium to large ovate to globe-shaped fruits.

Livingston's Globe (Landreth Strain)—100 Days, seed; 82 Days, plants. Plant strong and prolific, with heavy foliage. Leaves light green, broad. Fruit large, full globe, smooth, purplish-rose. Ripens evenly; fine quality. A standard

type used in the South for shipments to Northern markets.

Oxheart—118 Days, seed; 90 Days, plants. This is a very late tomato with long, thin vines and light foliage. The fruits are enormous in size, the shape of a beef heart, and with such a solid internal structure that there is very little room left for seed. The flavor is very mild and sweet which is preferred by some people to the more acid flavors.

Ponderosa—115 Days, seed; 85 Days, plants. The foliage of this variety is large and very spreading. The fruits are large and flattish round in shape, somewhat irregular and a rough exterior. Since the internal structure is very solid, Ponderosa is favored by many as a home garden variety.



Yellow Varieties

Golden Queen. (Trophy)—100 Days, seed; 88 Days, plants. The foliage of this variety is similar to Ponderosa. The fruits are medium to large in size, flattish round in shape. If one prefers a mild, sweet flavored tomato, this is just the variety.

Small Fruited Varieties

Pear Shaped Red—100 Days, seed; 75 Days, plants. Small fruits shaped like a pear.

Pear Shaped Yellow—100 Days, seed; 75 Days, plants. Small yellow fruit shaped like a pear.

Plum Shaped Red—100 Days, seed; 75 Days, plants. 2 inches long by $\frac{3}{4}$ to 1 inch in diameter, the shape of a plum.

Plum Shaped Yellow—100 Days, seed; 75 Days, plants. Same as plum shaped red in every particular except in color.

Red Cherry, Small—100 Days, seed; 75 Days, plants. Small, red, round fruit. Heavy producer. Five foot vine with many leaves.

Landreth's Turnips

One ounce will sow 100 ft. of drill; two pounds per acre unless broadcast when three pounds should be used per acre. A little more seed should be planted when varieties for greens rather than roots are desired. It is best to plant early varieties in the spring when the peach is in bloom (during April in most areas). Drill the seed 12-18 inches apart and thin out 4-6 inches in the row. Cover the seed $\frac{1}{2}$ inch. For fall and winter crop sow in July or August in most localities. Turnips grown in rows and cultivated by horse should be about 2 feet apart. Many broadcast Turnips in field with other crops.

White Fleshed

Cow Horn (Long White Green Crowned)—80 Days. This cut leaf variety is a pure white, except a dash of green in the crown. Roots sometimes 15 inches long. Is a large cropper. In shape it is very much like a long carrot, only it is blunt at the point and very often has a slight crook.

Early White Flat Dutch—50 Days. This Turnip is very early and resembles the Early Flat Red or Purple Top in most respects except that the roots or bulbs are all white.

Extra Early Purple Top Milan—40 Days. This and the White Milan are the earliest Turnips in cultivation. Similar but earlier than Purple Top.

Extra Early White Milan—40 Days. Identical to the Red Top Milan, except in the color of the top. It is used quite extensively for forcing. Similar but earlier than the White Flat Dutch.

Pomeranian White Globe—70 Days. Shape round, large, solid, pure white, smooth, quick in growth for a large turnip. Productive, often 30 to 40 tons to the acre; extensively used for stock feeding as well as for table; popular in the South.

Purple Top Strap Leaf Flat—50 Days. This is a very early flat strap leaf Turnip with a red or purple crown. Used for cattle feeding and extensively for the table. Root flat, about 2 inches in diameter, flesh white.



Turnip —Purple Top White Globe

PURPLE TOP WHITE GLOBE—60 DAYS. This most popular variety is a large sized, rapid grower, attractive in appearance. Purplish red above ground, bulbs large, two thirds white, globe shaped, smooth with a fine tap root, fine grained flesh. The roots when about $2\frac{3}{4}$ to 3 inches in diameter, are the best size for edible condition. This is the most popular, most largely used of all varieties.

Snowball—50 Days. The earliest and most perfectly formed round white Turnip for garden use. A small white globe, very quick in its growth and highly recommended.

White Egg—60 Days. A sort forming oval roots the shape of an egg, in an incredibly short period after sowing. Roots are medium size, flesh very white, firm and sweet.

Yellow Fleshed

AMBER GLOBE GREEN CROWNED—70 Days.

This we introduced in 1863; it is almost indispensable in every household. It is a vigorous, free grower, valuable for both table and cattle feeding, productive and an excellent keeper. It is the best yellow fleshed Turnip on the market. Roots are large with green tops and globular shaped. The skin is yellow, except at the top, which is green. The flesh is light yellow, of fine texture and very sweet when cooked.

Golden Ball (Orange Jelly)—60 Days. Cut leaved, small tops, an excellent fine texture, smooth-skinned, early orange and yellow fleshed.

Yellow Aberdeen—70 Days. This Turnip is highly recommended for cattle. Roots yellow with reddish purple top, flesh yellow.

Foliage Turnip For Greens

Seven Top or Southern Prize—50 Days. Used entirely for greens and salad. It may be left standing in the open ground during Winter as far north as Philadelphia.

Shogoin Foliage—55 Days. It produces an abundance of tender delicately flavored leaves, and later a full crop of very tender Turnips, closely resembling Early White Flat Dutch.

Landreth's Rutabaga or Swedish Turnip

Bloomsdale Swede—90 Days. The Bloomsdale Swede is the parent of all neckless Rutabaga, called by some Improved Long Island Swede.

Bucks County Neckless—80 Days. Ten to 15 days earlier in maturing and sold at a premium for the early Fall market. Roots a rather light yellow, with a purple top. Uniform, globe-shaped, slightly flattened and absolutely neckless. Flesh is cream yellow, fine grained, of excellent quality.

Budlong (Breadstone)—90 Days. A white fleshed Rutabaga, stump rooted.

Canadian Gem—90 Days. Roots are round, golden yellow flesh with purple top. Tops are very small with almost no neck. Very hardy.

Landreth's Improved Purple Top (Long Island Improved)—90 Days. A hardy, oval-rooted sort, a heavy cropper. Flesh yellow, with a purple crown.

Prices Subject to
Change Without Notice

Fertilizer and Sundries Customer Pays Transportation

ADCO. A powder which, when mixed in the compost pile with vegetable refuse, grass clippings, leaves, etc., will produce an odorless manure in four months. 25 lbs. makes $\frac{1}{2}$ ton manure. $7\frac{1}{2}$ lbs. \$1.00; 25 lbs. \$2.00

BONE MEAL. Excellent for top-dressing lawns, the beneficial results can be noted for a long time. A very desirable fertilizer for roses, flowering shrubs, fruit bushes and trees. Apply 800 to 1000 lbs. per acre. 5 lbs. for every 200 sq. ft. 5 lbs., 55c; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$3.25; 100 lbs., \$6.00.

COW MANURE. Wizard Brand Pulverized. The popular animal fertilizer recommended for any purpose. Weed free. Clean with no offensive odor. Apply 100 lbs. per 1000 sq. ft. 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00.

GRAFTING WAX. $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 35c; lb., 65c.

HOTKAPS. To protect early plants against frost, rain, wind and birds. Hotkaps are made of wax paper to be placed directly over the seed or early plant. Package of 25 with paper setter, 60c; package of 100 with paper setter, \$2.20.

HY-GRO SOLUBLE PLANT FOOD WITH GAT SPRAYER. The gat sprayer uses water and pressure from the hose to dissolve, mix and spray Hy-Gro evenly. Makes it easy to fertilize lawns and large garden areas. 20 oz. Hy-Gro with gat sprayer, \$2.00; 10 lbs. Hy-Gro, \$4.00.

LIME (Hydrated or Powdered). An indirect fertilizer that liberates plant food already in the soil. Makes sour soil sweet and heavy soil light. Promotes growth and gives the lawn a rich color. 10 lbs. to 200 sq. ft. or 1 ton to acre. 50 lbs., 75c; 100 lbs., \$1.40; 500 lbs., \$5.00.

MURIATE OF POTASH. Should be used on all root crops. 1 lb. per 200 square feet, 200 lbs. per acre. 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.25; If obtainable.

NITRATE OF SODA. Apply 200 lbs. per acre, 1 lb. per 200 sq. ft., but not until the plants are above ground. If used in liquid form, dilute 2 ozs. to 1 gallon of water and apply twice a week. Do not let nitrate touch green growth or it will burn. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.75; 50 lbs., \$2.75; 100 lbs., \$4.75. If obtainable.

NITRAGIN

ALFALFA

Sweet Clovers
Size Retail
1 bu. ea. \$.50
 $2\frac{1}{2}$ -bu. ea. 1.00

CLOVERS

Red, Alsike, &
White Clovers
1 bu. ea. \$.50
 $2\frac{1}{2}$ -bu. ea. 1.00

PEAS (All Varieties)

VETCHES (All Varieties)
100 lb. size (Innoculates up to 100 lbs.) ea. \$.50
1200 lb. size ea. 5.70
(12-100 lb. size cans)

BEANS

1 bu. ea. \$.35

SOYBEANS (All Varieties)

Small (Innoculates up to 120 lbs. seed) \$.30
5 bu. ea.65
25 bu. (one can) ea. 2.50
30 bu. (one ctn) ea. 3.25
(Contains 6 5-bu. cans)

GARDEN SIZE

Garden Peas and Beans
Sweet Peas and
Edible Soybeans
Enough for 8 lbs. seed
Pkt. 10c each

LANDRETH'S PARTICULAR — 90 Days. This remarkable stock is grown by us on our Bloomsdale Farm. It is absolutely free from neck, solid, sweet, tender, with a good purple top, excellent yellow flesh, and a fine shaped bulb. There is a complete absence of hair-like side roots. The root system consists of only one tap root. The gem for Market Gardens.

Laurentian—92 Days. An outstanding purple top variety developed and introduced from Canada. Clean, well shaped root, almost neckless, skin thick, good keeper. Flesh light yellow or cream color, fine grained, excellent quality. Top light green, shorter than American Purple Top.

Macomber—88 Days. A white fleshed variety. Roots are nearly round, almost neckless. White with greenish purple tops. Well adapted to New England, where it is known as a Turnip.

PEAT MOSS. A moisture retaining humus, an important aid in saving soil fertility. Prevents the formation of hard crusts and fungus growth. Used for mulching Evergreens, Perennials and Roses. Large bale, \$4.50.

PHOSPHATE (20% Acid Phosphate). For all vegetable crops, grains, etc. Apply 800 lbs. per acre. 5 lbs. per 200 square feet. 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

PLANTABBS. Fulton's odorless plant food tablets containing Vitamin B-1. Recommended particularly for potted plants. 30 tablets, 25c; 75 tablets, 50c; 200 tablets, \$1.00; 1000 tablets, \$3.50.

ROOTONE. Any seed, including grass seed, treated by dusting with Rootone hormone powder germinates faster, roots deeper and produces stronger, more disease-resistant seedlings. Cuttings dipped with Rootone root faster. Trial packet, 25c; 2 oz. jar, \$1.00; 1 lb. can, \$5.00.

SHEEP MANURE. Wizard Brand Pulverized. You will get amazing results by using Wizard, the most popular and best selling fertilizer. A complete natural plant food and soil builder which will make your lawn and garden thrive. Apply 10 lbs. per 100 sq. ft., 1000 to 1500 lbs. per acre. 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00.

SOIL TESTING KIT. Tests soil acidity. Some plants require decidedly acid soils, many do not. Know whether or not to add lime, and in what proportion. Information table supplied with kit. Purple and Gold Kit. \$1.50; Sudbury Kit, \$2.00.

SULPHATE OF ALUMINUM. Gives the soil the acidity necessary for the successful culture of Azaleas Laurel, Rhododendrons and similar plants. Apply 1 lb. per 10 square feet. 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

SULPHATE OF AMMONIA. Used on lawns as a stimulant and to discourage weed growth. 1 lb. to 150 sq. ft., or 300 lbs. per acre. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.75; 50 lbs., \$2.75; 100 lbs., \$4.75. If obtainable.

TRANSPLANTONE. Is a vitamin-hormone stimulant for rooted plants. It is a soluble powder applied in water solution to the soil around the roots of plants, shrubs, trees and seedlings. It increases root-growth, vitalizes and carries the plant over the shock of transplanting. $\frac{1}{2}$ oz. pkg., 25c; 3 oz. can, \$1.00; 1 lb. can, \$4.00.

TRUCKERS FAVORITE, 5-10-5. (Garden Fertilizer). Contains all the food elements needed by vegetables for their quick growth, early maturity and perfect development. Apply at the rate of 10 lbs. per 200 square feet. 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$3.75.


VIGORO. For Lawns, Gardens, Flowers, Shrubbery, Trees. A complete plant food. Directions in every bag. Apply 4 lbs. per 100 sq. ft. 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

VITAMIN B-1. Produces invigorated root growth and larger blooms. Restores sick plants to health. 1 tablet to 1 gal. water. 100 tablets, 35c.

Insect, Blight and Pest Controls

Directions for using will be found on each package.

Prices Subject to Change Without Notice

 Insecticides are "Not Prepaid". If wanted by mail add postage.

ANTROL SYRUP. Kills ants in the nest. Worker ants carry Antrol Syrup to their nests for food. Kill the queen and the whole ant family is exterminated at the source. Ready filled sets containing 4 filled feeders, 40c; single feeder, 10c.

Antrol Syrup Refills. 2 oz. bottles, 10c; 4 oz. bottles, 20c.

ANTROL TRAPS. Kills both grease and sweet-eating ants. Inside and outside house. Ea., 15c.

ARSENATE OF LEAD. Kills chewing insects. May be dusted or sprayed. Splendid for lawn treatment to control Japanese Beetle grubs and worms, including Sod Web worms. 1 lb., 40c; 4 lbs., \$1.00.

BLACK LEAF 40. 40% nicotine. Destroys aphid (plant lice), thrip, leaf hoppers and similar insect pests. May be combined with other sprays. 1 oz. bottle, 35c; 5 ozs., \$1.05; 1 lb., \$2.40; 2 lbs., \$3.90; 5 lbs., \$7.40.

BORDEAUX MIXTURE. Preventive for most fungus diseases such as blight, rust, wilt and mildew on vegetables, flowers, fruit and shade trees. Start spraying before disease develops. Can be used dry or as a spray. 1 lb., 40c; 4 lbs., \$1.00.

CALCIUM ARSENATE. For spraying and dusting potatoes. 4 lbs., 65c.

CYANOGEN ANT-KILLER. A sure ant killer for outdoor use only. In powder form for treating nests in gardens and lawns. 4 ozs., 30c.

CYANOGEN A-DUST. For outside use in killing rats, moles, gophers, ground squirrels, woodchucks and ants. 1 lb., 75c.

DOG REPELLENT, CHAPERONE. A most effective out-door dog repellent. One application will last from 2 to 3 weeks and rain does not wash away its effectiveness. 4 oz. bottle, 60c; 12 oz. bottle, \$1.25; 1 qt., \$3.00.

DRITOMIC WETTABLE SULFUR. Controls Black Spot and Mildew, Leaf Spot and Red Spider. 2 lbs., 30c; 5 lbs., 50c.

FISH OIL SOAP. An effectual remedy for destroying and preventing insects on plants, trees, vines, etc., and for washing down the bark of fruit trees, grape vines, etc. 1 lb., 35c; 5 lbs., \$1.25.

LEMON OIL. For destroying scale, caterpillar, mealy bug, etc. Pt., 60c; 1 qt., \$1.00.

LIME AND SULPHUR SOLUTION. A perfect remedy for San Jose scale and other fungus diseases. 1 gal., \$1.25.

LIME SULPHUR (Powder). For San Jose scale and other fungus diseases. Has all the effectiveness of liquid lime sulphur. 1 lb., 40c; 5 lbs., \$1.50.

MOLOGEN. An odorless semi-powder that destroys moles quickly. Harmless to soil or grass and is safe to use where pets are kept. ½ lb., 50c; 1½ lbs., \$1.25; 5 lbs., \$4.00.

NICOTINE PYROX. The best and safest all-around combined insecticide and fungicide spray. Kills both chewing and sucking insects. Controls blight and other plant diseases. 20 ozs., 60c; 5 lbs., \$2.00.

PARA-SCALECIDE. For peach tree borers. Apply early Fall or Spring when the soil temperature is likely to average 60°. 1 qt., 85c; 1 gal., \$2.25.

PARIS GREEN. For destroying potato bugs. Effective against all chewing insects. ¼ lb., 25c; ½ lb., 40c; 1 lb., 60c; 4 lbs., \$2.00.

RABBIT REPELLENT, CHAPERONE. Effective in controlling rabbits, ground-hogs, skunks and other rodents. They stay away. 4 oz. bottle, 60c; 12 oz. bottle, \$1.25; 1 qt., \$3.00.

RED ARROW. A highly concentrated extract of Pyrethrum combined with a special soap. Kills sucking and chewing insects, such as Mexican Bean Beetle, Aphis, Thrip, Rose Bug, Red Spider, etc. Use 1 oz. to 3 gallons of water. Per oz., 35c; 4 ozs., \$1.00; 1 pt., \$2.85; 1 qt., \$5.50.

ROTENONE (Powder). An effective dust contains 0.75% Rotenone. Controls Mexican Bean Beetle, beetles on asparagus and cucumber, also leaf hoppers, caterpillars, chinch bugs, red spiders, cabbage worms and thrips. 1 lb., 40c; 2 lbs., 60c; 5 lbs., \$1.25.

SCALECIDE. A reliable dormant spray for San Jose scale. Oyster Shell scale, Red Mite, Aphis and many other scale and soft-bodied sucking insects. 1 qt., 75c; 1 gal., \$1.75.

SLUG SHOT. Requires no mixing or preparation, easily applied and not injurious to animals, the person applying it, or fruits and vegetables treated. Destroys potato bugs and the Mexican bean beetle, green flies, slugs, worms, etc. 1 lb., canister, 40c; 5 lbs., canister, \$1.70.

STANLEY'S CROW REPELLENT. Acts as a repellent to seed pulling birds and rodents.

½ pint, enough for 1 bu. seed.....\$0.60

1 pint, enough for 2 bus. seed..... 1.00

1 quart, enough for 4 bus. seed..... 1.75

SULPHUR POWDER (Sublimed Flower). For mildew. Lb., 10c; 5 lbs., 45c; 10 lbs., 80c; 50 lbs., \$3.75.

SULROTE. A combined Insecticide and Fungicide with a wetting agent which aids adherence to the leaf. Controls Cabbage Worms, Mexican Bean Beetles and Flea Beetles. Black Spot and Mildew on Roses. Repels Japanese and Asiatic Beetles. 1 lb., 40c; 4 lbs., \$1.00.

TOBACCO DUST. Destroys soft creeping insects. Repels rabbits. 1 lb., 10c; 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.90.

TRI-GEN. Stimulate healthy plant growth by spraying your roses with Rose Garden Spray Treatment. Complete protection for control of many insects and fungus pests. Black spot and mildew easily controlled.

E—Extra small kit (makes 8 qts.).....\$0.90

A—Small kit (makes 16 qts.)..... 1.50

B—Medium kit (makes 64 qts.)..... 4.00

C—Large kit (makes 32 gals.)..... 6.00

D—Estate kit (makes 128 gals.).....20.00

WEEDONE. A new concentrated weed killer which does not irritate the skin, corrode spray equipment, safe for humans and animals. Kills Poison Ivy, Poison Oak, Sumac, other noxious weeds. Sprayed on the lawn, it kills dandelions, plantain and other weeds without hurting the grass. 6 ozs., 75c; 1 qt., \$2.50; 1 gal., \$7.50.

WEED KILLER. Kills all plant growth. A labor-saver used on paths, drives, gutters and places where growth is not wanted. 1 qt., 70c; 1 gal., \$2.00.

Summer-Flowering Bulbs and Roots

TUBEROUS ROOTED BEGONIAS

They Thrive in Shade or Partial Shade

These beautiful wax-like flowers are gigantic in size, measuring 4 to 6 inches across. The brilliant, vivid colors are rare in beauty and contrast well with the rich exotic foliage.

CULTURE. In the Spring the dormant tubers show pink swellings at the center of the crown. They should then be planted outdoors late in May, 10 inches apart, or in pots indoors in March or April and later transplanted outside to give earlier blooms. Plant in rich loose soil, preferably leaf mold, being sure the drainage is good and that the tuber is so placed that the top center is above the soil. Water sparingly, increasing the moisture supply after the first leaves form. Too early or too deep planting may kill the tuber. The bulbs or tubers must be lifted in the fall after the first heavy frost has killed the foliage. Store in a cool dry, frostproof cellar until planting time.

Single Begonias. Crimson, salmon, pink, scarlet, white and yellow. 30c each; \$2.25 per dozen.

Double Begonias. Crimson, salmon, pink, scarlet, white and yellow. 30c each; \$2.25 per dozen.

CALADIUM ESCULENTUM

Elephant's Ear

A fine tropical plant that is easily grown with large rich green leaves, often measuring 3 to 4 feet long by 2½ feet wide.

CULTURE. Caladiums are easily grown in any good garden soil. Plant outdoors when the soil is warm, about the middle of May. To obtain the best results they should be planted where they will obtain plenty of water and an abundance of rich compost. Take up before frost, cut off the old stems and store in a cool, dry frost-proof place until time for spring planting.

Mammoth Bulbs......25c each; 60c for 3.
First Size ".....35c each; 90c for 3.

CANNAS

They produce large, conspicuous clusters of orchid-like flowers in the widest range of gay and bright colors, with a rich tropical foliage in green or bronze shades.

CULTURE. No other class of tender bulb is so easily grown. They succeed in sunny positions in any kind of soil and respond quickly to liberal treatment. Cannas are gross feeders and for best results the beds should be spaded deeply, using a generous amount of well-decomposed manure and bone meal. Plant the dormant roots when the ground is warm, spacing them 2 feet apart and set them with the "eye" just above the ground. They may be started in pots and later transplanted outside to give earlier blooms.

Ambassador. 3½ ft. Bears immense trusses of brilliant cherry red flowers set off by bronzy foliage.

City of Portland. 3½ ft. Bright rosy-pink, a free-flowering vigorous bloomer. Green foliage.

Florence Vaughan. 4 ft. Rated finest of all yellows. Large lemon-yellow flowers, faint red dots, luxuriant green foliage.

Hungaria. 3½ ft. Rich peach blossom pink, a continuous bearer. Flowers very large with immense petals. Leaves bluish green.

King Humbert. "King of All." 4 ft. Always a sensation, bearing immense brilliant scarlet flowers in gigantic trusses. Handsome, broad, tropical foliage of a rich coppery bronze.

The President. 4 ft. This gorgeous variety produces giant flowers of a rich glowing scarlet color, often measuring 7 inches across when fully opened.

Yellow King Humbert. 4 ft. A green-leaved sport of the King Humbert. It has the same habit and growth and free-flowering qualities, but the flowers are a deep rich yellow spotted and blotched with bright red.

Wyoming. 6 ft. Orange flowers of a rich, glossy sheen. Bronze foliage.

Price: Any of the above Cannas. Postpaid, 15c each; 3 of one variety 35c; 12 of one variety \$1.25; \$8.00 per 100 of one variety; 25 of one variety at 100 price.

CINNAMON VINE

A beautiful, rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers.

CULTURE. The long, tuberous roots may be planted at any time during the Spring, placing them in an upright position and deep enough so that the eye or sprout is covered with two inches of soil. They will thrive in any soil.

Large Select Roots 3 for 45c; \$1.50 per dozen.

DAHLIAS

CULTURE. Dahlias will grow in any good soil, but do best in a light loam or sandy loam. Prepare the ground by deep digging and use well-rotted manure, bone meal and a top dressing of lime. After the ground is warm plant the roots on their side with eyes pointing upward, setting them 3 inches deep and 3 feet apart. Watering is unnecessary, but frequent cultivation is desirable. Never allow the soil to crust and cultivate after rain. When plants are 6 to 8 inches high, pinch out the center shoot to induce branching.

In the Fall, after plants are blackened by the first frost, cut the tops off, lift the tubers carefully with a digging fork and let them dry out for a few hours. Then store in a cool frost-proof cellar or shed, until the Spring. To prevent shriveling, cover with dry sand or soil.

COLOSSAL DAHLIAS

Selection of Decorative Types

FD., Formal Decorative; ID., Informal Decorative

Colossal Dahlias are a selection of the outstanding and more recent Dahlia introductions. The flowers are giant in size and perfect of form carried on strong stiff stems. They are vigorous, healthy growers, free flowering and highly effective for display in the garden, cutting for house decoration, and for exhibition work.

Alice May. ID., Bloom 10 x 6 ins., Bush 4½ ft. Pure white with slight yellow cast at base of petals.....\$1.00 each

Barbarosa. FD., Bloom 7 x 5 ins., Bush 4 ft. The brightest scarlet in Dahliadom. Full centers and strong stems.....\$1.00 each

• **Minnora.** ID., Bloom 10 x 6 ins., Bush 5 ft. Apricot and rose with a red reverse. Sturdy and strong stems. 50c each

Pink Giant. ID., Bloom 9 x 5 ins. Bush 5½ ft. Bright Tyrian pink. An early profuse bloomer.....75c each

Rudolf's Giant. ID., Bloom 12 x 7 ins., Bush 4½ ft. Buff with apricot and pink suffusions. Good size and depth. Sturdy plant. Blooms from mid-season on....\$1.00 each

The Governor. FD., Bloom 11 x 6 ins., Bush 5½ ft. Bright sulphur yellow, with long broad petals, long strong stems, and excellent form.....\$1.00 each

Victory. FD., Bloom 10 x 6 ins., Bush 4½ ft. Rose pink suffused gold. Excellent stem and bush growth. Good keeper. A "knockout" for sheer beauty.....75c each

Watching Giant. ID., Bloom 11 x 6 ins., Bush 6 ft. Deep amber yellow suffused orange cadmium. A rugged grower, profuse in blooms.....50c each

Collection: One each of Colossal, value \$6.50 for \$5.50.

DECORATIVE DAHLIAS

FD., Formal Decorative. ID., Informal Decorative.

Arelida Lloyd. ID., Bloom 10 x 6 ins., Bush 5½ ft. Color a clear lemon yellow with light rose suffusion on ends of petals.....50c each

Bandoeng. ID., Bloom 9 x 5 ins., Bush 5 ft. Cinnamon buff suffused and shaded russet orange and scarlet. Easy to grow.....50c each

Blue Jersey. FD., Bloom 6 x 4 ins., Bush 6 ft. A beautiful lavender pink with large full-centered flowers. 50c each

Blue River. FD., Bloom 9 x 3 ins., Bush 4 ft. Lavender mauve. The nearest color to blue in Dahlias. Very strong stems.....50c each

Francis Laroeca. FD., Bloom 6 x 3 ins., Bush 4 ft. Pale sulphur yellow, a profuse bloomer.....35c each

Golden Prince. ID., Bloom 10 x 5 ins., Bush 4 ft. Color, a rich gold, blended peach, general effect being bronze with gold center.....75c each

Hasterova. FD., Bloom 7½ x 4 ins., Bush 4 ft. Light lavender flecked with purple. A striking variegated dahlia. 75c each

Josephine G. ID., Bloom 8 x 4 ins., Bush 4½ ft. A bright rose pink, petals tipped yellow.....50c each

Kentucky Sun. FD., Bloom 7 x 5 ins., Bush 4½ ft. Clear light lemon yellow. Green glossy foliage. Produces quantities of large uniform blooms on strong stems. 35c each

Mrs. George LeBoutillier. ID., Bloom 11 x 5 ins., Bush 5 ft. Beautiful carmine red. A winner in the shows. 50c each

White Winner. ID., Bloom 8 x 4 ins., Bush 4½ ft. An excellent white with extra good substance. Early and profuse, and very satisfactory for cutting.....75c each

Collection: One each of Decorative, value \$5.95 for \$5.00

Summer-Flowering Bulbs and Roots (Continued)

CACTUS DAHLIAS

C., Straight Cactus; IC., Incurved Cactus;
SC., Semi-Cactus

These have long pointed petals which in some varieties are straight and in others incurved. Included in this class are semi-cactus, having broad petals at their base, but recurved at the tips, giving them a pointed appearance. The varieties listed below are all well-shaped flowers held erect on long, stiff stems. They are excellent cut flowers and splendid for garden decoration.

- Ballerina.** C., Bloom $7\frac{1}{2} \times 4$ ins., Bush 5 ft. Light salmon a soft fiery red. 75c each
- Gretel.** SC., Bloom 6×3 ins., Bush $3\frac{1}{2}$ ft. Nice blooms of a soft fiery red. 50c each
- Hillside Gold.** SC., Bloom $7\frac{1}{2} \times 4$ ins., Bush $3\frac{1}{2}$ ft. Golden yellow with an apricot glow of sheer beauty. A fine keeper for exhibition, cutting and baskets. 50c each
- Lady in Red.** SC., Bloom 8×5 ins., Bush 5 ft. Bright scarlet red. Fine form and color. A vigorous grower with dark green foliage. \$1.00 each
- Miss Elsie Jane.** SC., Bloom 6×4 ins., Bush 5 ft. Artistic blooms of shrimp pink with cream shadings at center and tipped violet rose. 50c each
- Saalsands Helmkehr.** C., Bloom 7×4 ins., Bush 3 ft. Deep rose pink, shading to pale yellow at center of flower. 75c each
- Zuiwn.** C., Bloom 6×3 ins., Bush 3 ft. A bright crimson carmine of very pleasing form. 50c each
- Collection: One each of Cactus, value \$4.50 for \$3.75

MINIATURE DAHLIAS

These little gems are excellent for the garden and yield an abundance of cut flowers for house and for basket arrangements. They do not need any disbudding and can be planted rather close. Blooms 3 to 4 ins. Bushes $2\frac{1}{2}$ to $4\frac{1}{2}$ ft.

- Buckeye Baby.** Golden buff, shaded red 50c each
- Fairy.** Soft violet rose, mauve at tips 50c each
- Jeanie.** Blend of yellow and red 50c each
- Little Diamond.** Pink 75c each
- Peggy Lindley.** Golden orange 50c each
- Pink Lassie.** The gem of Miniatures. Soft rose pink with light cream center 50c each
- Raleigh.** Deep rose pink, suffused salmon rose 50c each
- Snowsprite.** Glistening white 50c each
- Sylvia.** Deep carmine 50c each
- White Fawn.** Pure waxy white 50c each
- Collection: One each of Miniatures, value \$5.25 for \$4.45.

POMPON OR BABY DAHLIAS

These dainty little Dahlias are a miniature form of the Ball type. The flowers are under 2 inches in diameter and the plants are small, of branching type, $2\frac{1}{2}$ to $3\frac{1}{2}$ ft. in height producing an endless profusion of flowers. They are splendid cut flowers for the home particularly for table where the size and daintiness makes them most appealing.

- Betty Anne.** Soft rose pink 35c each
- Edith Mueller.** Apricot and peach red 35c each
- Honey.** Primrose yellow edged red 35c each
- Joe Fette.** Pure white 35c each
- Morning Mist.** White, rosy lavender center 35c each
- Sherry.** Violet purple 35c each
- Yellow Gem.** Canary yellow 35c each
- Collection: One each of Pompons, value \$2.45 for \$2.10.

GLOXINIAS

These showy plants make excellent house plants and flower profusely during May and June.

CULTURE. Gloxinias are not difficult to grow and they will flourish luxuriantly in a soil of one part loam, one part leaf mold and one part sharp sand with a sprinkling of fine bone meal. Plant in 4-inch pots, being sure to give the best of drainage. Place in a warm window and keep moderately moist, but do not water to excess. Be careful to keep water off the leaves and to shade the plants from direct sunlight as the season advances. In Mixture Only. 35c each; 3 for \$1.00; \$3.50 per dozen.

MADEIRA OR MEXICAN VINE

A beautiful and popular vine covering a large space in a short time. Very useful for porches and arbors because of its rapid growth and freedom from insects. The leaves are heart-shaped, thick, glossy and light green in color. Racemes of feathery white fragrant flowers are produced in profusion.

CULTURE. Plant any time during the Spring, placing them in an upright position and covering with two inches of soil. Protect with a covering of leaves or litter in the Winter. Large Strong Roots, 3 for 45c; \$1.50 per dozen.

GLADIOLUS

The Long Lasting Cut Flower

GLADIOLUS are the most popular of all the Summer-blooming bulbs. Their charm and wealth of color are enjoyed in any garden. Plant them in borders, solid beds and among shrubbery. For cut flowers they are unexcelled. In cutting it is best to cut the spike when the first flower opens. The balance of buds will develop when placed in water and thus prolong the blooming period.

CULTURE. They can be grown with very little effort, as they thrive well in all ordinary garden soils in any sunny, airy location. Plant the bulbs, top up, 4 inches deep and at least 6 inches apart as early in the Spring as the ground is fit to work. A continuous succession of flowers may be enjoyed until frost by successive plantings every two weeks until late June. Gladiolus appreciate plenty of moisture and thorough cultivation during the growing season. Lift the bulbs in the fall after the foliage begins to turn color and dies down; allow them to dry in the sun, then separate the useless old bulb and dead foliage from the new bulb. Store the new bulb in a cool dry frost-proof place until time for Spring planting. To control Gladiolus thrips, spray regularly with Nicotine Pyrox.

Pink Shades

	Per Doz.	Per 100
Bagdad. Smoky old rose, blending to a lighter throat \$1.25		\$9.00
Beacon. Dark rose with cream blotch, slightly ruffled. 1.75		12.50
Old Rose. Well formed large blooms of a beautiful velvety violet rose. 1.25		9.00
Picardy. The finest and the most outstanding pink. Enormous blooms, eight open at one time. Color a clear, soft, shrimp-pink without flecking 1.75		12.50

Red Shades

Dr. F. E. Bennett. Fiery orange scarlet with white spearhead markings Very showy. 1.65		12.00
Excellence. Fiery red. Extremely early; large size and uniform color. 1.25		9.00
Flaming Sword. Very early. Blood red. Primulinus type which are smaller but wonderfully artistic in form. 1.25		9.00
Kassel. Large dark scarlet, pointed petals. 1.25		9.00

Lilac and Purple Shades

Charles Dickens. A beautiful glowing red-purple with deeper velvety blotch. 1.75		12.50
Minuet. A beautiful orchid tone. The best in light lavender Glads. 1.75		12.50
Pelegrina. Extremely dark velvety blue. 1.65		12.00

Yellow Shades

Alice Tiplady. A Primulinus variety with brilliant orange-yellow flowers. 1.25		9.00
Golden Dream. Clear, deep golden yellow flowers on strong, tall stems. 1.25		9.00
La Paloma. Large vivid orange blooms. Primulinus type. 1.25		9.00

White Shades

Albatross. The best white. Immense snow-white blooms without a trace of any other color. 1.65		12.00
Maid of Orleans. Milk-white with creamy throat. Large well-formed spikes. 1.35		10.00
Shirley Temple. Large ruffled cream. 1.75		12.50

Mixtures of Gladiolus

Bulet's Rainbow Mixture. A wide range of the different shades, blends and colors, carefully selected and mixed in proper proportion of color to please the most critical. 1.15 8.50

Not less than 6 Gladiolus supplied at dozen price and 25 at the 100 rate.

TUBEROSES

Excelsior Double Pearl. Tuberoses are one of our finest Summer-flowering bulbs. The flowers are waxy-white, double and highly fragrant. A single flower will perfume a room.

CULTURE. Plant in good rich loam where the ground is warm, selecting a sunny location. For early flowers start in pots indoors and for a succession of bloom, plant at intervals until the last of June.

Large Size Bulbs—3 for 45c; \$1.50 per doz.; \$11.00 per 100.

FLOWER SEEDS

A GUIDE IN PLANTING

Seeds should be sown either broadcast or in rows, cover lightly, then press the soil firmly. Do not plant too deep as small seeds cannot break through. Very fine seeds should be sown on the surface, then pressed into the soil. A good plan is to cover seed bed with a damp newspaper, then remove when sprouts start breaking through. In this way, seeds will not be washed out from rain or when watering.

To have early flowers, sow in boxes indoors, set out when weather becomes favorable. A fine spray should be used when watering. See that soil does not dry out. Too much water causes plants to damp off. When 3 or 4 leaves have formed, transplant 1 inch apart in boxes or in the open ground if warm enough. Light rich loam is the soil most suitable for flowers. If soil is too heavy, lighten with sand to make it friable.

Tender flowers should not be transplanted outside until the weather is warm and settled. Hard-shelled seeds, Cannas, Moon-vines, Morning-Glories, should have a small hole filed through the outer shell or be soaked in warm water 24 hours before planting.

WHEN TO PLANT IN VICINITY OF PHILADELPHIA

MARCH

Sow Outdoors
Sweet Peas

Sow Indoors	Set Out
Ageratum	May 1
Antirrhinum (Snap- dragon)	May 15
Asters	May 10
Celosia (Cockscomb)	May 1
Hollyhock	May 10
Pansy	May 1
Petunia	May 1
Salvia	May 1
Stocks (Gilliflower)	May 15
Verbena	May 1
Wallflower	May 1

APRIL

Sow Outdoors
Nasturtiums

All those listed for March may also be planted in April and, in addition, the following:

Sow Indoors	Set Out
Alyssum	May 1
Calendula	May 1
Cosmos, Late	May 1
Dahlias	May 1
Delphinium	May 15
Gourds	May 1
Helianthus (Sunflower)	May 1
Marigold	May 1
Mignonette	May 1
Nicotiana	May 1
Phlox Drummondii	May 1
Poppy, Iceland	May 15
Ricinus (Castor-Oil Plant)	May 10
Salpiglossis	May 10
Scabiosa	May 1
Zinnia	May 1

MAY

This is the month of outdoor sowing and planting. The following list of flowers comprises those which may be sown in the open, and which will mature into perfection before frosty weather sets in.

Sow Outdoors (Do not require transplanting)
Sweet Alyssum
Calendula
Calliopsis
Candytuft
Centaurea (Bachelor's Button)
Chrysanthemum, Annual
Cosmos, Early
Delphinium

Dianthus (China Pinks)
Eschscholtzia (California
Poppy)
Gaillardia (Blanketflower)
Ornamental Gourds
Helianthus cucumerifolius
(Miniature Sunflower)
Larkspur, Annual
Lupins, Annual
Marigold
Mignonette
Morning-Glory
Nasturtiums
Petunia
Poppy
Portulaca
Salpiglossis
Scabiosa
Verbena
Zinnia and all other annuals.

(Should be transplanted)

Asters Dahlias
Balsam Marigold
Celosia Mignonette
(Cockscomb) Nicotiana
Cosmos, Late Ricinus

JUNE

This is the month to sow perennials. The varieties listed below can easily be grown from seed. All of them may be sown from June till middle of September.

To Remain Where Sown

Alyssum saxatile compactum
Asters, Hardy
Coreopsis
Campanula (Bluebells)
Candytuft, Sempervirens
Poppies, Iceland
Poppies, Oriental
Sweet William

To Be Transplanted

Canterbury Bells
Delphinium
Digitalis (Foxglove)
Gaillardia grandiflora
Hollyhocks

JULY

This is the most important month for sowing some flower seeds. The following biennials, if sown in July and transplanted in August or September, will flower the following spring.

Variety

Bellis perennis (English
Daisies)
Pansies
Myosotis (Forget-me-not)
And All Perennials



Ageratum

AGERATUM—Normal germination, 5-10 Days. Of easy growth, flowers abundantly out of doors in summer and until frost; very desirable for table decoration. Start indoors for earliest bloom. In bloom for 90 days. Hardy annual from Mexico.

Blue Perfection. Compact, very large flowered variety. The darkest sort grown from seed.

ALYSSUM—Normal germination, 5-8 Days. Makes a very pretty border; fine for carpet bedding. Blooms June to November. Sow where wanted to bloom. Native to Western Asia.

Benthami Procumbens (Snowcloth). Very dwarf creeping habit. Best for edging that we have ever grown.

Carpet of Snow (Little Gem). Pure white flowers which grow over 4 inches tall. Spreading plants. Ideal for borders.

Lilac Queen Improved. Distinct variety with lilac-tinted flowers. 9 inches.

Saxatile Compactum. Perennial, known also as "Basket of Gold." In late spring, is covered with golden flowers. Excellent for rockeries.

Sweet (Maritimum). White. 8 to 12 inches. Trailing habit, very sweetly scented, a hardy annual.

ASTERS (Callistephus).—Normal germination, 5-10 Days.

Crego's Giant Branching Comet. This class, also known as "Ostrich Plume," is without doubt the most popular variety grown. The flowers have long shaggy petals, suggesting a chrysanthemum, and often are curled and interlaced. Blooms midsummer. 2 feet. (Wilt resistant). Mixed.

Early Queen of the Market. The best early among the asters. Habit branching. Flowers double and nearly round. Plants 18 inches high and very productive. Ten days earlier than any other. (Wilt resistant). Mixed.



Calliopsis



Calendula



Balsam



Blue Lace Flower

BABY'S BREATH (*Gypsophila*)—Normal germination, 15 Days.

Grandiflora Alba (London Market Strain). Graceful plants much in demand for cutting and combining with other flowers. Light, airy foliage, with myriads of small white flowers. 2 feet. Does not transplant easily. Native in Europe, Asia and Northern Africa.

BALLOON VINE (*Cardiospermum*) — Normal germination, 15 Days. Popular as a rapid climbing annual, 10-12 feet, producing inflated seed pods one inch diameter, resembling miniature balloons; delicate foliage. Valuable for screens. Sometimes called "Love in a Puff." Tender annual. Native of Bermuda, Florida, Texas, and many other places throughout the world.

BALSAM (Lady Slipper)—Normal germination, 8-10 Days. Beautiful annuals with flowers as double as roses, measuring two inches in diameter. Rich soil and deep culture in a sunny position are requisite to produce large flowers. Set plants about 2 feet apart, where they can have plenty of sun. In bloom 60 days. If foliage obscures flowers, it can be cut away without injuring plants. Native to India, Malay Peninsula and China.

Rose Flowered Double Mixed—18 inches diameter. **BLUE LACE FLOWER** (*Didiscus*)—Normal germination, 20-35 Days.

Coeruleus. Dainty lavender-blue flowers from June to October. Excellent for bedding, and makes a splendid cut flower. Sow where wanted to bloom. According to a Landreth Catalog of more than 75 years ago, the *Didiscus* is a native of Australia.

CALENDULA (Pot Marigold)—Normal germination, 5-10 Days. Bushy plants with dense green foliage, surmounted with disc-like double flowers. If cut regularly, will bloom all summer, and well into the Fall. Thrives even in poor soil, provided seed-pods are removed after blooming. 12-18 inches. Does not transplant easily. Is native from Canary Island to Persia. **Double Mixed**—Yellow and orange shades.

Lemon Queen—Good clear lemon.

Orange King—The best bright orange.

CALLIOPSIS—Normal germination, 8-10 Days. A graceful plant of easy culture, with fine-cut foliage. Flowers are daisy-like in form and range in color from yellow and orange to maroon. Especially long-flowering and well adapted for cutting. 2-3 feet. Indigenous to North America.

Mixed Tall Semi-Double.



Bachelor's Button



Campanula

CAMPANULA (Canterbury Bells)—Normal germination, 10-15 Days. The Canterbury Bells are a large genus of showy plants, blooming in profusion. Easy of culture and certain to flower; succeeds well in good soil. Blooms second year. 2-3 feet. Native throughout the Northern Hemisphere.

Cup and Saucer Mixed (Calycanthemum). Large cup-shaped bells, surrounded by a calyx resembling a saucer, and giving effect of being double.

CANDYTUFT (Iberis)—Normal germination, 5-10 Days. These well-known favorites are among the most beautiful of our annual flowers. The seeds can be sown at all seasons or in fall for early flowering. They like rich soil and plenty of room to flower freely. Very pretty in masses. Bloom 60 days. 1 foot. Does not transplant readily. Originally a native of the Mediterranean region.

Coronaria Hyacinth Flowered White. A superb variety; large flowers on good stems.

Umbellata Mixed.

CASTOR BEAN (Ricinus)—Normal germination, 10-12 Days. The Castor Bean, in all its varieties, has a showy tropical appearance, singly or in groups. Valuable for screens, a tender annual. Combines well with Cannas or Dahlias. Ricinus is a native of the Tropics.

All Varieties Mixed.

CELOSIA (Cockscomb)—Normal germination, 8-10 Days. The cockscombs are tender annuals, requiring good soil. The plants will produce a larger bloom by cutting off side flowers and leaving one head only to a plant. If cut before maturing the heads may be preserved during winter. A native of many warm regions.

Cristata Tall Mixed.

Plumed Mixed.

CENTAUREA (Bachelor's Button)—Normal germination, 8-10 Days. The Centaurea is particularly well adapted for border work, and is also of value for cutting. Sow where wanted to bloom, as seedlings do not transplant readily. Very easy to grow and will self-sow freely. 2 feet. Our strain of Double Blue is superb. These are prevailingly Old World plants.

Jubilee Gem. "All America" Silver Medal for 1937. Superb English Dwarf Bushy Type, not over 12 inches tall and excellent for border use. Large deep blue flowers.



Candytuft



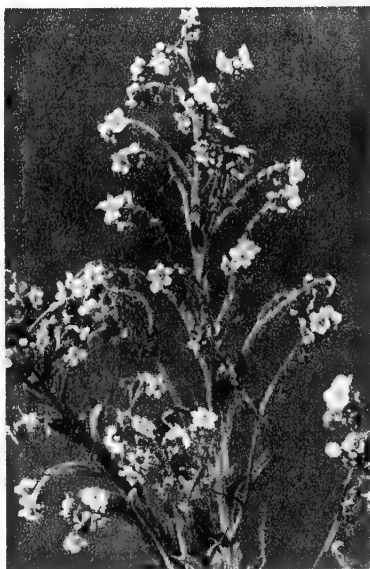
Cockscomb



Dahlias



California Poppy
(*Eschscholtzia*)



Cynoglossum Chinese



Cosmos



Shasta Daisy

CHRYSANTHEMUM—Normal germination, 8-20 Days. Annual Single Mixed.

COSMOS—Normal germination, 8-10 Days. Every year this flower makes more friends. Growing 4 to 5 feet high from seed it is valuable for screens. Blooms until killed by frost. Cosmos is improved by indoor starting. Excellent for cutting. Originally from tropical America.

Early Mixed.

DAHLIA (Seeds Only)—Normal germination, 10-20 Days. A favorite for autumn flowering, blooming the first season from seed if started early. The flowers are so symmetrical and perfect and the range of colors so wide and varied that they will always be popular where display is wanted. Will produce many choice tubers, which should be dug after flowering, buried in dry sand, ashes or peat-moss, and stored for the winter in a cool place. Seed-grown Dahlias bloom only about 2 weeks later than those grown from tubers. The Dahlia originally grew wild in Mexico.

Finest Single Mixed. Will produce brilliant flowers running through a wide range of striking colors. Fine for cutting.

DAISY-SHASTA (Leucanthemum)—Normal Germination, 8-20 Days.—2 feet.

DELPHINIUM. Hardy perennial and one of the most popular. Showy and useful in cultivation, producing nearly every requisite for beautifying the garden. The lovely flowers are borne on stems 3-7' in height. These flowers are excellent for cutting. To prolong the season of blooming, cut off the old flower stems after they have faded and new shoots will bloom later in the season.

DIANTHUS (Pinks)—Normal germination, 5-15 Days.

Laciniatus Splendens. Bronze Medal "All-America" Trials 1935. Very large single, over 2 inches across, in a brilliant shade of crimson with glistening white eye. The most striking Dianthus we have ever grown.

Chinensis Double Mixed (China or Indian Pink) Flowers borne in Sweet William like clusters in various colors, showy and double. Height, 1 foot.

Heddewigi Double Mixed. (Asia Pink). Very showy and fragrant. Double flowers 2 to 2½ inches, resembling a carnation, many beautifully striped and mottled. 10 inches.

Eschscholtzia — (California Poppy) — Normal germination, 5-10 Days. One of the most beautiful of garden flowers. When grown in masses, scarcely any plant produces a greater degree of splendor. Foliage finely cut like lace, with a bluish tinge. Easily raised from seed, but does not transplant well. Sown in autumn, the growth is of increased vigor. Diameter of plant, 20 inches. Height 12 inches. Blooming 60 days. Is a California wildflower, from which the following has been developed.

Mixed.

EUPHORBIA (Snow on the Mountain)—Normal germination, 10-12 Days.

Variegata. A foliage plant growing well in poor and dry soil. Leaves at first are bright green, but as plants mature become edged with silvery-white. 2 feet. Euphorbia is a North American native plant.

FORGET-ME-NOT (Cynoglossum) (Houndstongue)—Normal germination, 10-15 Days.

Chinese. Easily grown plants with sprays of metallic blue flowers, over a long season. 2 feet. Valuable for cutting. Indoor starting, followed by transplanting, greatly adds to the beauty of this plant, but it does very well, too, when

sown directly in its permanent outside position. Grows wild in Eastern Asia.

FOUR O'CLOCK (Marvel of Peru)—Normal germination, 8-20 Days. Flowers open late each afternoon, are fragrant, with desirable colors and fine markings. Makes a fine summer hedge if set in rows a foot apart. Tubers may be lifted in the fall, and stored like dahlias, and replanted in spring, making larger plants with more flowers. 2 feet. Habitat is tropical America.

FOXGLOVE (Digitalis)—Normal germination, 10-15 Days. Hardy perennials of easy culture, living for several years without care and having tall spikes of showy, curiously shaped flowers. Blooms second year. 3 feet. Digitalis was first brought to America from Great Britain. **Finest Mixed.**

GAILLARDIA (Blanket-flower)—Normal germination, 10-20 Days. Do best in full sunlight in light, open, well drained soil. 2 feet. Bloom from June to Frost. Flowers ideal for indoor decorative purposes. Can be grown from seed sown indoors or in open garden.

Annual Single Mixed.

GLOBE AMARANTH (Gomphrena)—Normal germination, 10-15 Days. Well known annuals of easy culture. To preserve for winter decoration, the flowers (resembling clover heads) should be fully matured before being gathered. 15 inches tall. Indigenous to tropical sections of the Old World.

Mixed—Pink, White, Purple.

GOURDS (Ornamental)—Normal germination, 12-15 Days. The Gourds are annuals, rapid growers, from 10 to 20 feet high, valuable for screening or arbors, should have moist, rich, loamy soil to attain perfection. The fruit is useful for decoration, due to its unique appearance. Native to many of the world's tropical sections. **Small Mixed.**

HOLLYHOCK (Althaea Rosea)—Normal germination, 10-30 Days. Nothing better for background or among shrubs. Blooms sometimes first year; always second year. 5-8 feet tall. Will grow anywhere. Originally from the gardens of the Old World.

Allegheny Semi-Double, Fringed Mixed. Mammoth flowers.

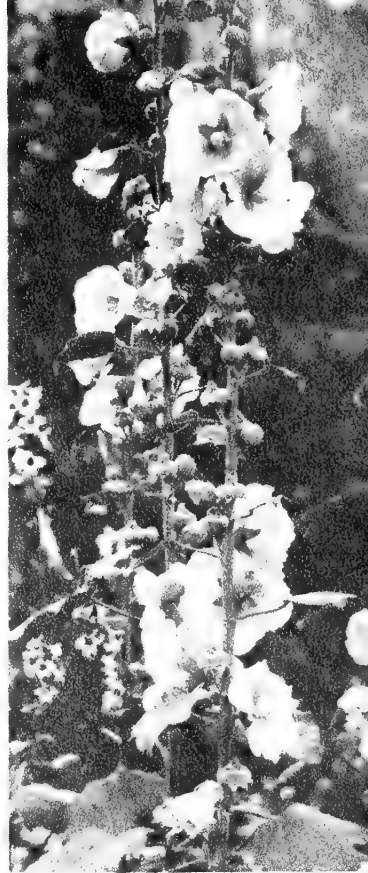
KOCHIA (Fire Bush)—Normal germination, 10 Days. The seed should be sown when the oak trees are bursting into leaf. The plants develop very rapidly, finally reaching three feet in height, and forming perfect globes of green, feathery branches, which turn red after frost. Anyone can grow this plant in almost any situation, and we accordingly recommend it most highly. An annual hedge plant. 3 feet. Native both in Europe and United States.

LARKSPUR (Annual Delphinium)—Normal germination, 20-25 Days. Larkspur is of unsurpassed merit for massing in the border, as well as for cutting. Native to many parts of North Temperate Zone. Tall, upright, base-branching in habit, the Giant Imperials have passed all other types of Larkspur for florists' and general garden use. The Delphinium-like spikes of double flowers, carried on stems 4-5 feet long, are compactly placed on upright growing plants, requiring only about half the space needed for the old Stock Flowered type. May be started either indoors or outside, but indoors starting improves the quality of the flowers. Placing the seed in a refrigerator for from 24 to 48 hours immediately before planting always induces greater and higher germination. **Imperial Mixed.**

LINUM (Flax)—Normal germination, 10-15 Days. Easy to grow and very much used recently because of their graceful airy habit. 2 feet. Self-sows readily. European native.



Gaillardia and Baby's Breath



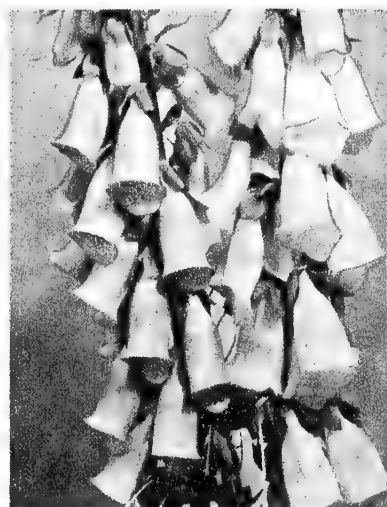
Hollyhock



Forget-me-not



Larkspur



Foxglove



Four O'Clock



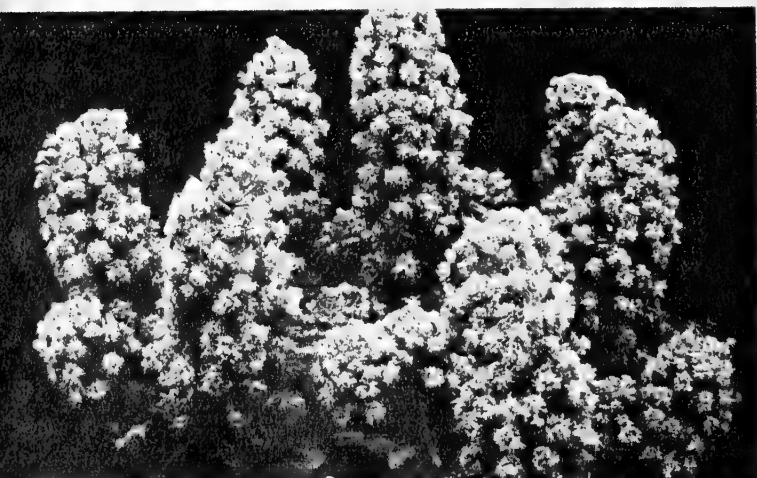
Marigold



Nasturtium



Morning Glory



Mignonette

MARIGOLD (*Tagetes*) — Normal germination, 5-10 Days.

Flash—Blooms in 8 weeks from seed and continues all Summer and Fall. Exceptionally uniform in habit and profusion of flowers. Blooms 1 3/4" across. Plants 18" tall. Highly desirable for beds, borders and cut flowers.

Guinea Gold. All-American Gold Medal 1933. A carnation-flowered novelty that comes 100% true semi-double from seed. Petals are loosely placed of brilliant orange color, flushed with gold.

Tall African Double Mixed. 2 1/2 ft. tall, well branched so that a profusion of yellow and orange flowers, 1 1/2 inches across are had from early summer until frost. Fine for cutting.

Blue Flax.

MIGNONETTE (*Reseda*) — Normal germination, 8-10 Days. No annual is a more general favorite than the Mignonette. Of the easiest culture, it adapts itself to all situations, but prefers a cool rich soil in a shady position. Sow where wanted to grow, or else handle in pots, as they do not transplant well. Its greatest usefulness is in combination with those cut-flowers which lack the fragrance in which this flower so abounds. *Reseda* is found in Southern Europe, Northern Africa, the Canary Islands, and some species in the U. S.

Large Flowering Mixed.

MOONFLOWER (*Ipomoea Grandiflora*)—Normal germination, 8-15 Days. These beautiful, rapid-growing climbers will grow about 30 feet in one season. Though really a perennial, is best treated as an annual, as it will not survive northern winters. Leaves are large and the flowers, which open as the sun is sinking are very fragrant. We have found it best to plant the seeds one half inch deep, after having soaked them overnight in warm water. Early planting essential. Use no fertilizer.

Mexicana Grandiflora Alba. White flowers, 6 inches wide. Opens only night and morning. Large, smooth, dark foliage.

Bona-Nox (Evening Glory). Large fragrant flowers opening in the evening. Purple throat, shading to lavender.

MORNING GLORY—Normal germination, 5-10 Days. Native to nearly all the world. If started indoors, handle in pots, as they do not transplant well. Never use fertilizer of any kind on morning glories. Soak seed in water 24 hours before sowing.

Heavenly Blue, Clark's Early Flowering. A beautiful blue flower 4 or 5 inches across. White and yellow throat. Ideal climber. Sandy, gravelly soil and southern exposure best.

Imperial Mixed. A warm situation protected from winds is best for this variety.

Scarlet O'Hara. Gold Medal from "All-America" Selections Committee for 1939. A rich, dark wine-red variety, blooming 65 days after sowing. An addition to almost any garden.

NASTURTIUMS — Normal germination, 8-10 Days. "Black Bugs" may be kept off Nasturtiums by placing an ordinary camphor ball every 6 inches along the row. This should be done when plants are about 2 inches tall.

Double Sweet-Scented Novelties:

Golden Gleam Double. A bouquet of these golden-yellow flowers distinctly double in form, will fill a room with delightful fragrance, in addition to being a treat to the eye. Late planting is best. Needs considerable moisture to bloom really well.

Scarlet Gleam Double. Flowers of an intense fiery-orange-scarlet, and of very large size, held well above the foliage and of more pronounced fragrance than its parent, Golden Gleam Double. This variety needs a good deal of mois-

ture for best blooming.

Glorious Gleam Double Hybrids. These *Nasturtiums* are the result of a "cross" between the famous Golden Gleam Double, and the old-fashioned singles. Flowers of salmon, golden-yellow, orange-scarlet, cerise, cream-yellow, orange, crimson, and gold flushed with scarlet combine with the fresh green foliage. Stems are long, and bear flowers well above the leaves. Sweet scented. Like cool nights and considerable water.

Dwarf Single Mixed. A mixture of the best dwarf sorts, ideally suited for beds and borders. These flowers require very little care and thrive almost anywhere, enduring heat and dry weather remarkably well. The mixture has a riot of color blooming from early summer until killed by frost. Sow where it is wanted to bloom and thin out to 5 inches apart.

Tall Single *Nasturtiums*. Climbing 4 to 5 feet high. A combination of the best tall varieties.

NICOTIANA—Normal germination, 5-10 Days.

Affinis Hybrids Mixed. This sweet-scented tobacco somewhat resembles a *Petunia*, but has a longer tube, and more pronounced petals. Opening toward evening, they emit a very powerful perfume. Blooms all summer and autumn, and shows shades of blue, red, white, rose and pink. 2 feet. Native of Brazil, Uruguay and Paraguay.

PANSIES — Normal germination, 8-40 Days. Seeds should be sown indoors early in spring or outdoors during August and plants protected in Winter. Seed sometimes is slow to germinate, and needs plenty of heat and moisture. Though perennials, pansies are best treated as annuals. All pansies do best in soil that is rich, cool and moist, and partial shade is advantageous. They are natives of the North and South Temperate Zones. (New crop seed ready late July of each year).

Landreths' All Giants Mixed. An excellent large flowering strain.

PETUNIAS — Normal germination, 8-15 Days. Annuals of extraordinary merit and easy culture, producing a fine effect. In the garden or green-house they flower in great profusion. Will grow in any soil, but the richer the soil the better the effect. They require a sunny position for best results. Fine for window boxes. Follow instructions on packet carefully. As is not generally realized, *Petunias* make excellent cut flowers for low and flat bowls. Are wildings of southern South America.

Special Mixed.

POPPY—Normal germination, 6-15 Days. Every garden should have a supply of Poppies. They fit in almost anywhere and the perennial varieties remain for years. Sow seed in open ground in spring or fall, or may be sown on top of the snow, and thawing will take them down into the earth in Nature's own way. Poppies may be used as cut-flowers, if cut just before the bud opens, which will open in water. Poppies in their various forms are found all over the world, but in Europe and the Orient more than anywhere else.

American Legion. Brilliant scarlet with white Maltese cross.

Shirley Double Mixed. Double flowered and very pretty.

California Poppy—See *Eschscholtzia*.

PORTULACA—Normal germination, 8-10 Days.

A beautiful plant for massing in beds, borders or rockery, producing a riot of color. Flowers like little roses. In sowing mix the seed with many times its bulk in dry sand. Ideal for a ground cover in sunny locations.

Grandiflora Single Mixed.



Nasturtiums



Petunias



Poppy



Pansies



Portulaca

Surprise **GARDEN MIXTURE**

ANNUALS

NORMAL GERMINATION: 5 TO 10 DAYS

**A COMPLETE GARDEN OF
26 VARIETIES
GROWN FROM ONLY ONE
10c PACKET**

A choice blending of annual flowers, ideal to brighten an unsightly corner. May be broadcast, or planted in rows. It is so balanced as to give a continuous bloom all season. The seeds in the Surprise Garden Mixture are also excellent for children's gardens.

Surprise GARDEN MIXTURE

(26 VARIETIES OF ANNUALS) - - 10c PER PACKET



Sunflower



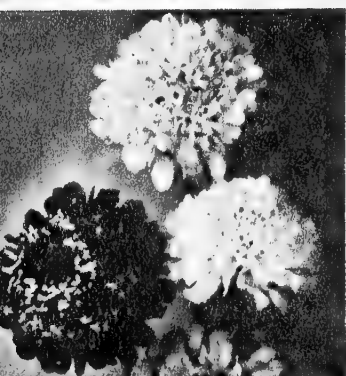
Strawflowers



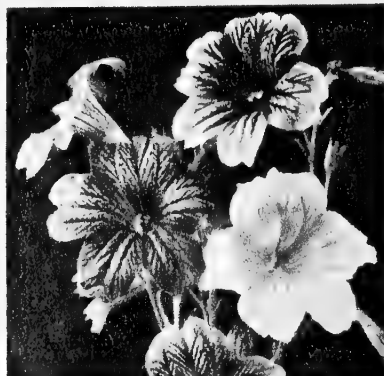
Stocks



Sweet Peas



Scabiosa



Salpiglossis

SALPIGLOSSIS (Painted Tongue) (Variabilis Superbissima) — Normal germination, 5-10 Days. This is a very easily grown annual 24 to 30 inches tall, which blooms from mid-summer until frost. Blossoms are funnel shaped, gloxinia-like in their velvety appearance and veined with gold. One of the very finest annuals. Our mixture covers a very large range of colors. Prefers sandy soil and partial shade. Salpiglossis was brought to civilization from the wilds of Chile.

Emperor Gloxiniaflora Mixed.

SALVIA (Scarlet Sage) — Bonfire. Very free bloomer, growing in compact bush 2' high. The breath-taking scarlet spikes grow erect and stand clear above the foliage.

SCABIOSA (Mourning Bride)—Normal germination, 10-15 Days. Pincushion Flower, known the world over as Mourning Bride. Easy culture; blooms all the season. Fine for cutting. 2 to 3 feet high. Long straight stems. Sow early to secure best results. Thrives in any good soil with sunny exposure. May be started indoors or outdoors, but inside starting gives earliest and best blooms. Native of Europe.

Bloomsdale Mixed.

SNAPDRAGON (Antirrhinum)—Normal Germination 8 to 12 Days. A tender perennial which if sown early will bloom in July and until killed by frost. By cutting off most of the flowering stems and giving a slight protection over Winter, plants will bloom a second Summer for four months. Splendid as a cut flower. Used for forcing or outdoors. Height 3 feet.

(Rust Resistant Strain) Tall Maximum Mixed.

STOCKS (Sometimes called Gilliflower)—Normal germination, 3-10 Days. These are half-hardy annuals, beautiful, fragrant old-fashioned double flowers. Sow under glass or on warm border early in spring, transplant to rich ground to which lime has been added. As only single stocks produce seeds, no double strain can be had without a percentage of single flowers. Our strain is remarkably well doubled. Hot weather is responsible for the blind-growth which often disappoints outdoor growers of this crop, and they thrive best where the nights are cool. Stocks are native in Southern Europe and Southern California.

Mixed.

STRAWFLOWER (Helichrysum)—Normal germination, 5-10 Days. Everlasting flowers, size of a 50 cent piece. Useful for making winter bouquets. 3 feet. Is much improved by starting indoors, and setting out after danger from frost is past. Is indigenous to many parts of Europe.

Mixed.

SUNFLOWER (Helianthus)—Normal germination, 5-10 Days. The Sunflower is a well-known old-fashioned favorite, of late years wonderfully improved. The size and brilliancy of its flowers make it worthy of a place in every garden. Sow where wanted to bloom, and thin out to proper distance. Plant to hide unsightly objects. Indigenous to the Western Hemisphere, mainly North America.

Double Excelsior Hybrids. Globe flowered, yellow. 5 feet.

Russian Mammoth. For field culture. 8-10 feet.

SWEET PEAS — Normal germination, 15-20 Days. Sow in permanent location, in single row, two seeds to the inch, quarter ounce of seeds for two yards of row; cover one inch deep. There are approximately 340 seeds to the ounce. Sweet Peas are quite hardy, and may be planted very early in the spring, or late in the fall. They thrive best in heavily fertilized

ground, and need considerable water on warm days. Best results are obtained by sowing in the fall, where winters are not too severe, as with the resulting deep roots, the season of blooming is greatly lengthened. Sweet Peas do best when trained on trellises made of string. They should be thinned to about 8 inches apart in rows, while the rows should be 3½ feet apart. Develop best only with a rainy season or with extensive watering. Keep seed pods clipped.

Early Flowering Spencers Mixed—Very popular with florist for greenhouse culture. Planted in open ground the same time as summer flowering Spencers, they flower fully four weeks earlier. Becoming increasingly popular among home gardeners. Planted for winter bloom in greenhouses.

Summer Flowering Spencers Mixed — Spencer Sweet Peas are the finest type of Sweet Peas in existence. All varieties in this mixture are well blended from the purest white to deepest maroon.

VERBENA — Normal germination, 10-15 Days. The Verbena is a well-known annual of creeping habit. Partially upright, but when prostrate taking root freely where stems come in contact with the ground. Excellent for bedding. In bloom 90 days. Verbenas are found nearly all over the world. The origin of the garden variety, however, is unknown, as it is believed to be a multiple hybrid.

Mixed.

WALLFLOWER (Cheiranthus)—Normal germination, 5-10 Days. Thriving in poor soil, the Wallflower is a half-hardy perennial, producing beautiful fragrant flowers, mostly yellow, orange and brown. Requires protection during the winter. Blooms first year if sown early. 18 inches. Excellent for planting against wall with southern exposure. Native in many parts of Europe.

Large Flowering Single Mixed.

ZINNIAS — Normal germination, 5-10 Days. The Landreths, who introduced the Zinnia from Mexico to commercial use more than 140 years ago, feel that their strain is unsurpassed by that of any seedsman. Blooms from July to frost. Seeds can be planted in the open or sown indoors and the young plants transplanted if desired. Will grow anywhere and stand rough treatment. Plant in July to get the largest and best flowers.

Giant Dahlia Flowered (Bloomsdale Gold Medal Mixture)—3-4 feet. Awarded a Gold Medal by the Royal Horticultural Society of England. Blooms measure about 4 inches in depth and, under very favorable conditions, will reach 7 inches in diameter. They closely resemble Dahlias in appearance, and are the most popular variety we grow. They are best for bedding purposes.

Giant Dahlia Flowered Canary Bird—Primrose-yellow.

Giant Dahlia Flowered Exquisite—Light rose, shading to deep rose.

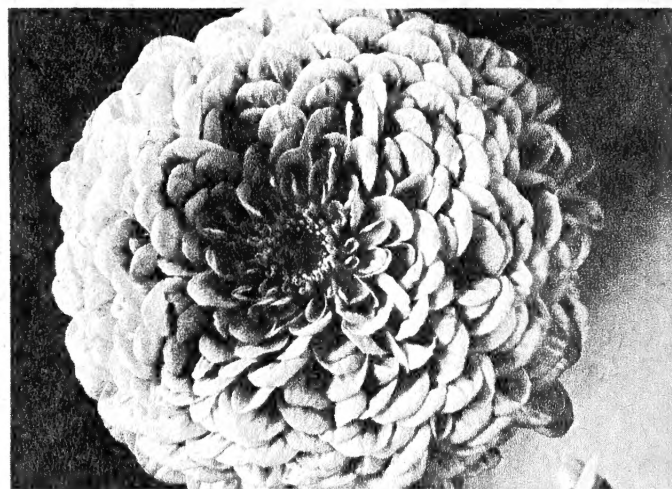
Giant Dahlia Flowered Scarlet Flame—Bright orange-scarlet.

California Giants (Bloomsdale Finest Mixed)—3-4 feet. The symmetrical flowers of this variety are large and very pleasing. The petals are more loosely placed than in the Dahlia type, giving the effect of a neater, flatter center, thus serving to accentuate the great size of the flower. Better for cutting than the Dahlia Flowered type, as the stems are longer.

Improved Double Lilliput or Pompom (Bloomsdale Mixed)—12-15 inches. This charming strain is becoming more popular. Dwarf and very



Zinnia—Giant Dahlia Flowered

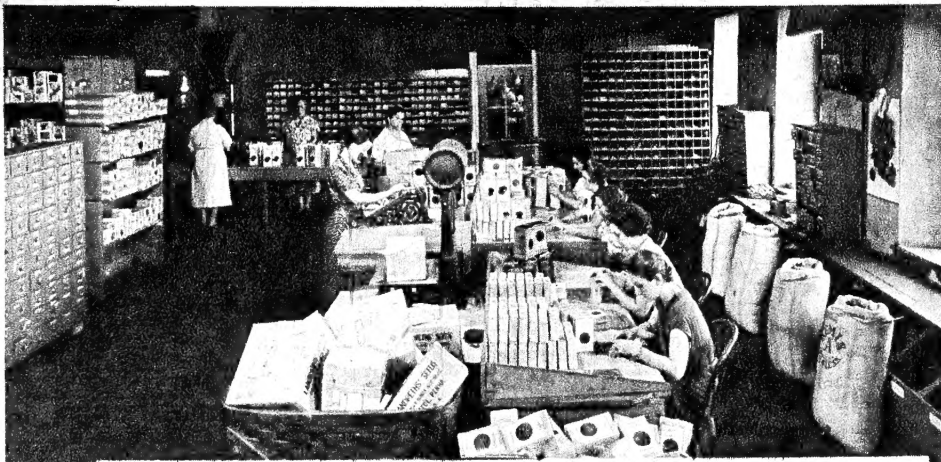


Zinnia—California Giant



Zinnia—Lilliput

bushy, it is the ideal bedding variety. Extremely double and almost ball-shaped flowers, in color tones not usually found in other types. The daintiness of its large number of tiny flower-heads (1½ in.) makes it particularly desirable for cutting.



VIEWS OF THE LANDRETH GROWING OPERATIONS

It pays to deal with a company which *grows* seeds, knows seeds and tests seeds—a company with a reputation to sustain. Landreth raises seeds in the best sections of the country, maintains trial grounds in the East and West, carefully breeds seed stock under trained personnel—tests the product in Landreth laboratories.



A trial ground to a seedsman is like the laboratory to a scientist.



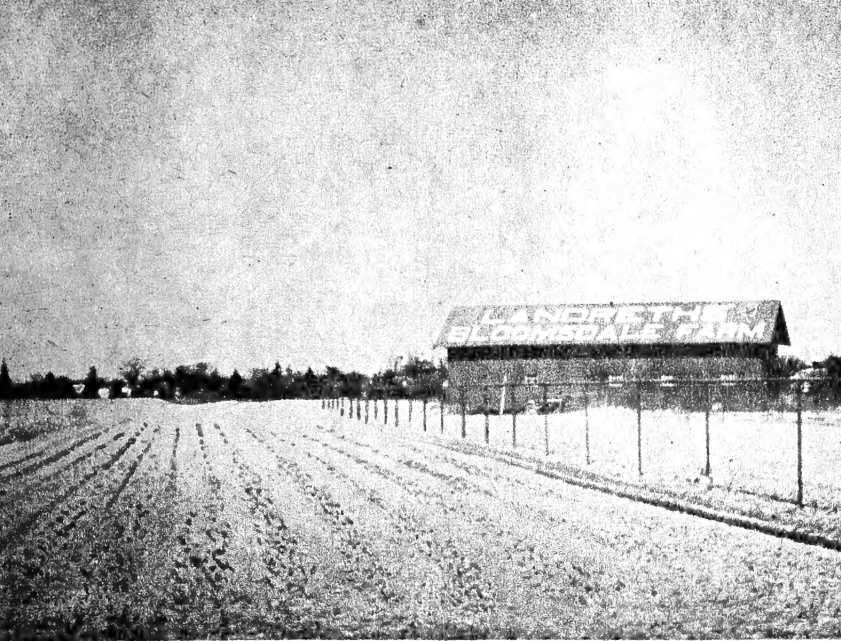
One of the Landreth western stations where over a million pounds of seeds are raised yearly.



Seeds are inspected and when necessary hand picked to assure quality for customers.



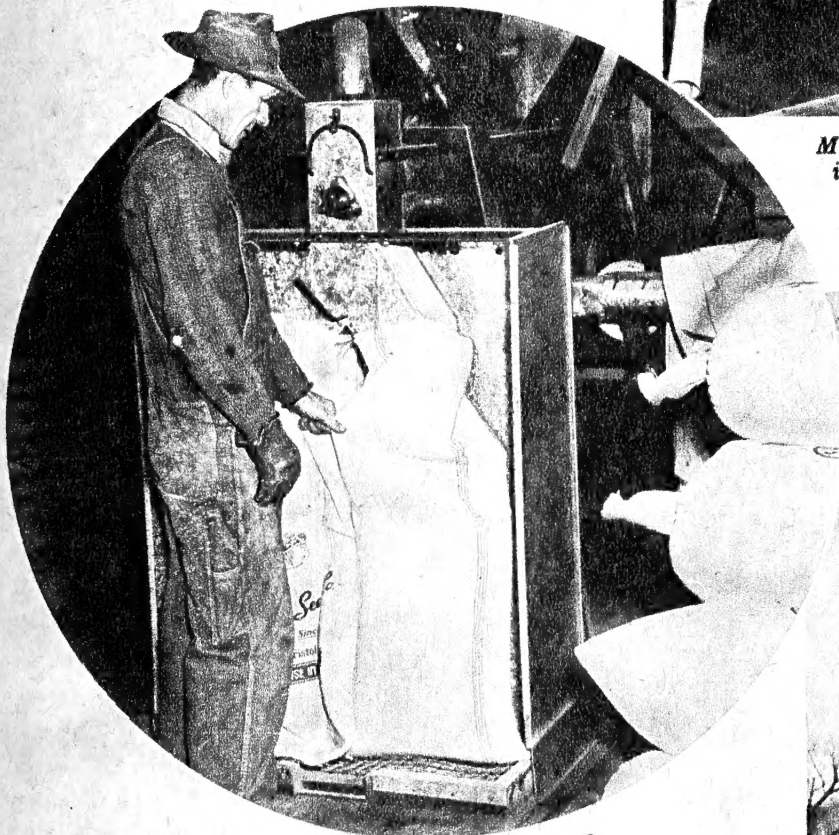
This elevator belt carries bags 63 feet up to the processing mills.



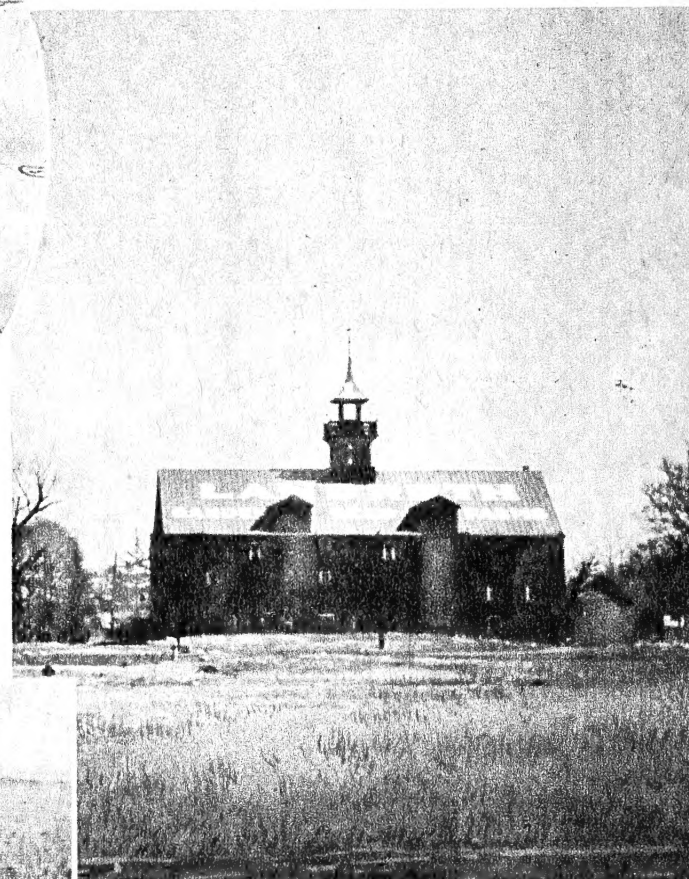
Trial ground irrigation at Bristol.



Modern machinery in each Landreth plant is further insurance of a quality product.



Landreth seeds are treated with Sperguson and other materials when customers request it.



The famous old Landreth barn built in 1807 on our Bloomsdale Farm, Bristol, still in good repair and constant use.



46 acres of trials on the Landreth grounds in Montana. Photo taken in 1945.

^{*}*Landreth*

1947 GARDEN GUIDE

*REG. U. S. PAT. OFFICE



Founded
1784

P. Landreth Seed Co. PHILADELPHIA, PENNA.
The Oldest Seed House in America